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NBS

Technical Note No. 18-8

Boulder Laboratories

QUARTERLY RADIO NOISE DATA

SEPTEMBER, OCTOBER, NOVEMBER 1960

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

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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NATIONAL BUREAU OF STANDARDS

Technical Note

No. 18-8

January 31, 1961

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by

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

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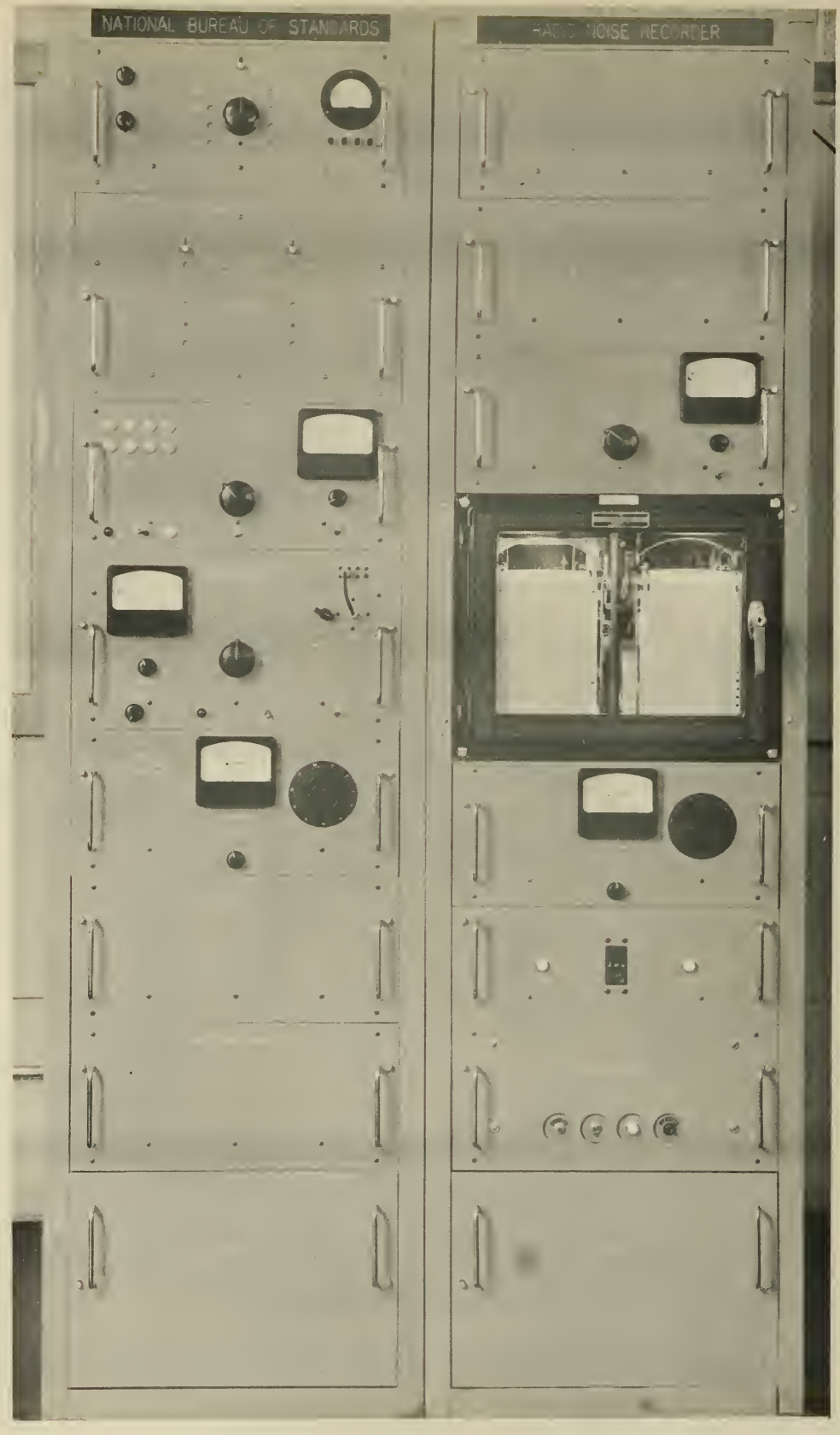
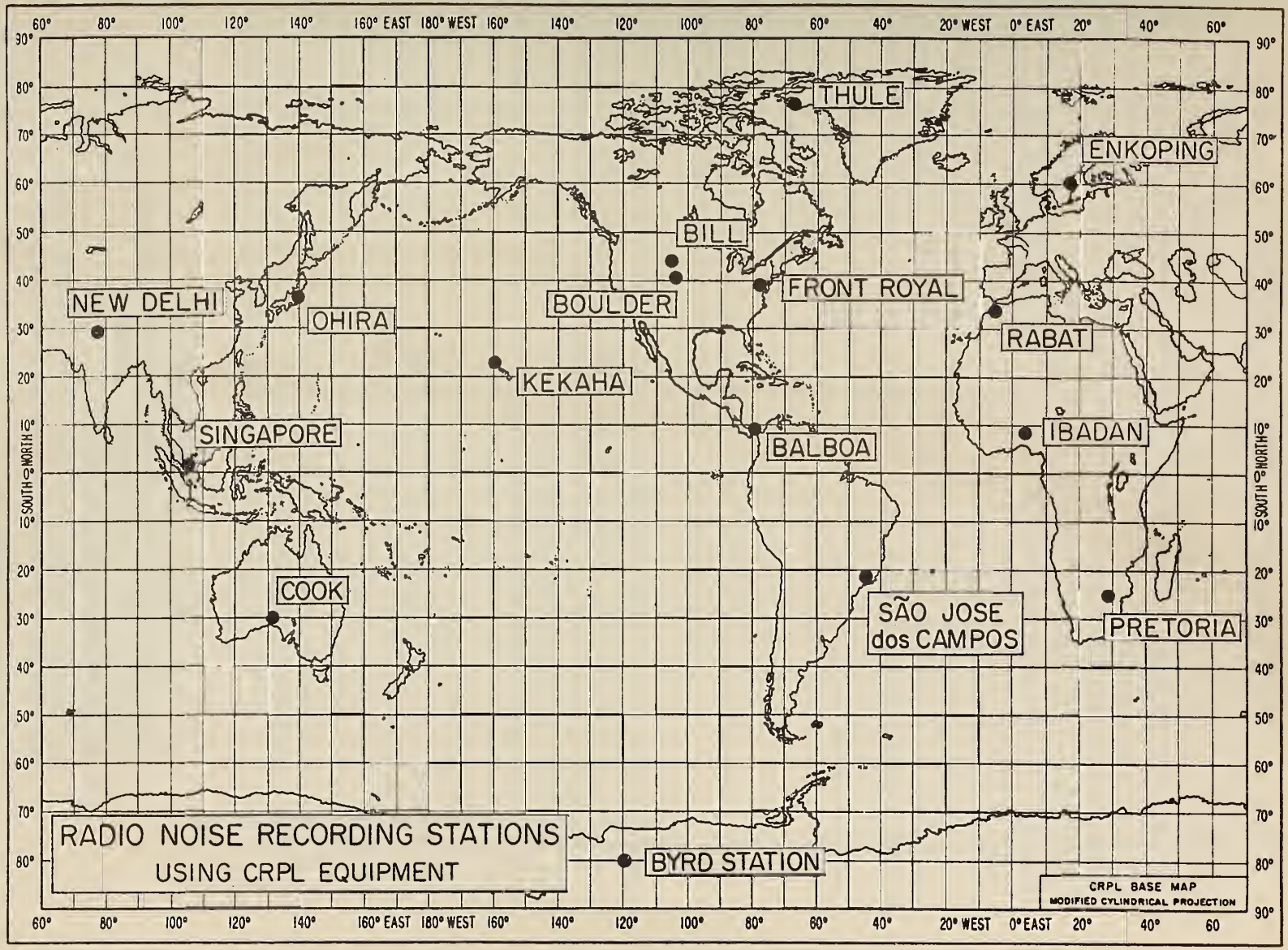
Radio Noise Recording Station



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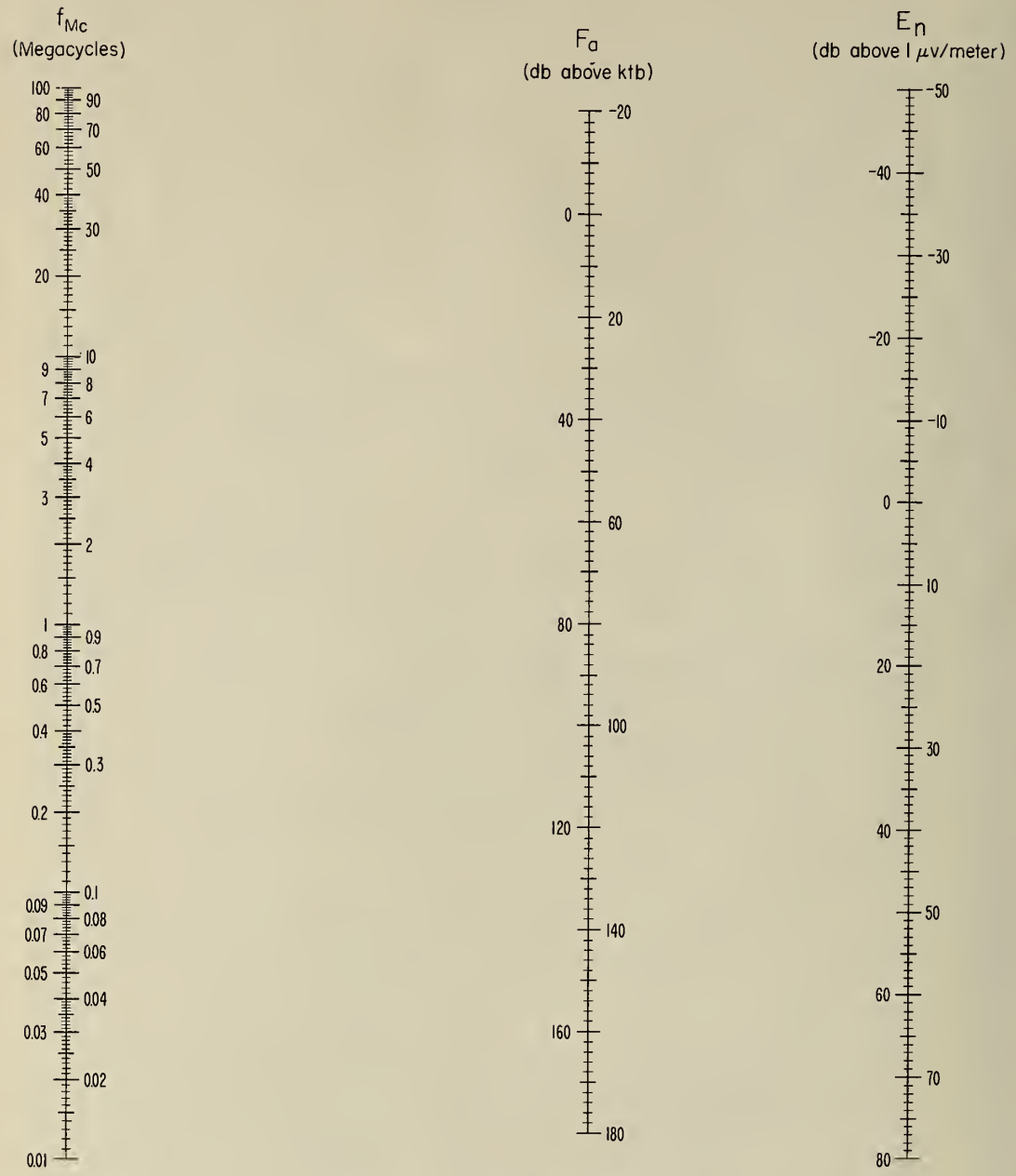
COOK
SÃO JOSE
dos CAMPOS
PRETORIA
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT
CRPL BASE MAP
MODIFIED CYLINDRICAL PROJECTION

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 September, October, November 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 September, October, November 1960 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a. F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

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

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

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

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

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

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

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

where

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

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

The nomogram given may be used for this conversion.

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

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

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

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

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

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

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

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

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

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

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

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

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

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

The following publications contain additional information on radio noise:

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

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

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

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

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

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

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

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

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

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

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

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

Balboa	Sept., Oct., Nov. 1960	75 W	+05
Boulder	Sept., Oct., Nov. 1960	105 W	+07
Byrd Station	Sept., Oct., Nov. 1960	120 W	+08
Cook	Sept., Oct., Nov. 1960	135 E	-09
	Correction Sheet for Jan. 1959		
Enkoping	Sept., Oct., Nov. 1960	15 E	-01
Front Royal	Sept., Oct., Nov. 1960	75 W	+05
Ibadan	June, July 1959	GMT	0
Kekaha	Sept., Oct., Nov. 1960	150 W	+10
New Delhi	Aug., Sept., Oct. 1960	75 E	-05
Ohira	Sept., Oct., Nov. 1960	135 E	-09
Pretoria	Sept. 1960	30 E	-02
Rabat	Sept., Oct., Nov. 1960	GMT	0
São José dos Campos	Sept., Oct., Nov. 1960	45 W	+03
Singapore	Sept., Oct., Nov. 1960	105 E	-07

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

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

18-2 March, April, May 1959

18-3 June, July, August 1959

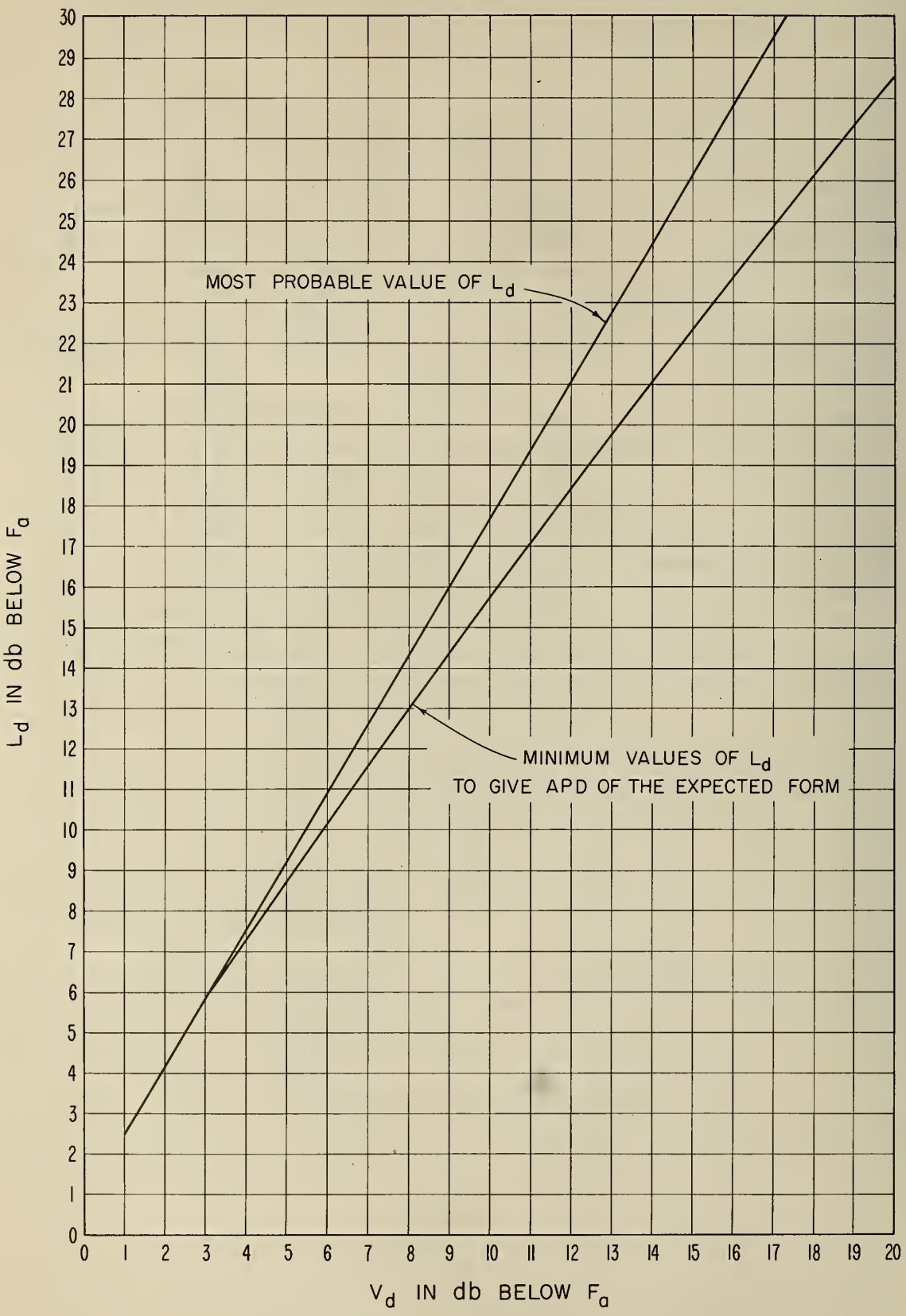
18-4 September, October, November 1959

18-5 December, January, February 1959-60

18-6 March, April, May 1960

18-7 June, July, August 1960

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 September 1960

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	170	4	5	11.5	18.0	148	3	5	10.0	17.0	126	5	5	8.0	14.0	98	7	7	6.0	12.0
01	171	3	5	11.0	18.0	149	5	5	10.5	17.5	128	7	7	8.0	14.5	98	10	8	6.5	12.0
02	172	5	6	12.5	19.5	151	4	7	11.5	18.0	128	7	6	9.0	15.0	99	9	8	6.5	11.5
03	174	2	8	13.0	19.5	151	5	5	11.5	18.0	130	4	9	8.5	15.0	99	8	9	8.0	16.0
04	172	5	4	13.0	21.0	150	5	6	11.5	19.0	130	5	10	10.0	18.0	98	9	11	8.0	15.0
05	174	2	7	14.0	21.0	149	6	6	13.0	20.5	128	8	8	10.0	18.5	94	13	12	10.0	19.0
06	172	5	6	13.0	20.0	149	7	10	13.5	21.0	127	7	15	12.5	21.0	94	13	22	11.0	21.0
07	170	7	5	13.5	21.0	147	8	12	15.5	22.0	128	10	22	10.5	19.5	95	14	26	9.0	19.0
08	170	8	6	13.0	20.0	145	10	10	14.0	22.0	123	11	15	11.5	22.0	95	13	17	11.5	22.0
09	170	4	6	15.0	22.0	143	9	7	14.5	22.0	127	7	15	12.0	21.0	88	16	8	10.0	19.0
10	170	5	8	13.5	20.5	147	8	13	14.0	21.5	126	4	12	15.5	24.5	92	13	15	14.0	24.5
11	169	7	5	14.0	21.0	144	11	9	14.0	21.0	124	12	22	14.0	23.0	90	16	30	14.0	24.0
12	170	4	4	13.0	19.0	145	9	8	13.0	19.5	123	13	17	15.0	24.0	91	18	19	17.5	28.0
13	172	6	4	11.0	17.5	147	12	8	12.0	17.0	127	15	13	11.5	19.5	100	18	22	14.5	23.0
14	174	7	5	9.0	14.0	147	14	6	10.5	16.0	129	11	14	13.0	19.0	96	20	18	12.5	21.0
15	174	6	4	9.0	13.5	149	8	10	10.0	15.0	128	8	16	13.0	19.5	99	11	22	12.0	19.0
16	174	3	4	10.0	15.5	148	7	7	12.0	18.0	125	9	7	13.0	21.0	97	10	15	12.0	20.0
17	172	4	4	10.0	15.5	145	10	6	9.0	15.0	122	9	9	13.0	20.0	92	11	17	7.0	12.0
18	170	4	4	9.0	14.5	145	5	8	8.0	14.0	122	8	8	6.0	10.0	92	9	4	4.0	8.0
19	170	4	4	10.0	15.0	146	5	5	8.0	12.5	124	4	6	6.0	10.5	94	9	3	5.0	8.5
20	170	4	3	9.0	15.0	147	4	5	8.0	13.5	124	6	4	6.0	10.5	95	9	6	4.5	8.0
21	170	4	4	10.0	16.0	147	4	5	8.0	14.0	124	6	5	6.0	10.0	96	6	6	5.0	9.0
22	171	3	4	10.5	17.0	147	4	4	9.0	15.0	124	6	3	7.0	11.0	96	6	6	5.0	9.0
23	170	4	5	10.5	17.5	147	4	4	8.5	15.5	126	5	5	7.0	12.5	96	9	4	5.5	11.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	71	6	6	5.0	10.0	65	4	4	5.0	8.5	51	3	4	5.5	9.0	29	4	4	4.5	6.5
01	73	4	6	5.5	10.0	67	2	4	5.0	9.0	51	2	6	5.5	9.0	27	6	4	2.5	4.0
02	73	4	4	6.0	10.5	65	4	4	5.5	8.0	49	2	6	5.0	9.0	27	6	4	2.0	4.0
03	75	2	6	5.5	10.5	65	4	4	5.5	9.0	46	4	9	5.0	8.5	25	6	2	2.0	3.5
04	73	4	4	6.0	11.5	65	2	6	5.0	9.0	45	5	10	5.5	9.0	25	7	2	2.5	4.0
05	73	4	4	6.5	12.5	63	4	4	5.5	10.0	44	5	5	4.0	7.0	27	6	4	2.5	4.0
06	65	7	6	9.0	17.5	59	8	6	7.0	12.0	45	4	3	7.0	10.5	29	5	5	4.0	6.0
07	57	10	11	10.5	19.0	54	8	10	10.0	17.5	43	6	4	7.5	13.0	29	7	3	4.0	6.5
08	51	21	16	9.0	18.0	47	14	14	9.5	20.0	41	8	8	9.0	15.0	29	3	4	4.0	7.0
09	51	15	16	9.0	15.5	45	10	13	11.0	18.5	39	6	7	9.5	15.5	29	2	4	6.5	9.0
10	52	13	19	14.0	25.0	41	16	14	11.0	20.0	35	10	6	10.5	17.0	29	3	4	4.0	6.0
11	47	21	14	8.5	13.0	38	15	17	9.0	13.5	35	7	10	9.5	16.0	29	7	4	3.0	4.5
12	47	15	12	14.0	21.0	41	18	18	15.0	27.0	37	10	10	13.0	19.5	31	9	6	4.5	6.5
13	51	35	18	10.5	21.0	49	26	20	13.5	22.0	39	24	6	11.0	17.0	33	14	4	8.5	125
14	62	25	25	14.5	25.5	53	24	22	15.0	24.5	43	16	9	8.0	13.0	33	12	4	4.0	6.0
15	61	20	25	14.0	>24.0	49	20	15	9.5	18.5	45	8	10	6.5	11.0	35	6	3	4.5	7.0
16	59	14	22	9.0	16.5	54	10	12	8.5	16.0	47	4	6	6.0	9.0	35	2	2	4.0	5.5
17	58	13	13	10.5	17.0	55	11	4	5.5	10.0	49	4	2	4.5	8.0	35	2	4	4.0	6.5
18	61	11	4	6.0	10.0	64	8	5	3.5	6.0	51	2	2	5.0	8.0	33	2	2	3.5	5.0
19	69	6	8	5.5	8.0	69	6	6	3.5	6.5	51	2	2	4.0	7.0	31	2	6	4.0	6.0
20	69	6	6	6.0	9.5	67	7	4	4.0	7.5	51	2	2	5.0	7.0	30	3	5	4.0	5.5
21	69	6	8	5.0	9.0	69	7	4	4.0	7.0	51	2	3	5.0	7.0	29	4	4	3.5	5.0
22	71	4	8	5.5	9.0	65	6	4	5.0	8.5	51	3	4	5.5	8.0	29	4	4	3.5	5.0
23	71	4	6	6.0	10.0	65	2	4	5.0	8.0	51	3	3	4.5	8.0	29	6	4	5.0	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 Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month October 1960

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	168	6	3	12.0	18.0	143	8	4	10.0	16.5	123	7	4	7.0	12.0	100	8	4	6.0	10.0	71	5	6	5.5	11.5	63	2	2	5.0	9.0	49	2	3	*5.0	*9.0	25	6	1	2.5	4.0
01	168	6	4	11.5	17.5	145	5	6	11.0	17.0	122	8	3	8.0	14.0	100	9	4	6.0	11.0	71	5	5	7.0	12.5	63	2	2	*4.0	*9.0	49	2	6	5.0	9.0	24	10	2	2.0	4.0
02	168	3	6	12.0	19.0	145	6	6	10.5	16.5	123	9	5	8.5	14.0	100	6	7	6.0	11.0	71	5	4	6.0	10.5	61	4	2	5.0	9.0	45	6	8	*5.0	*8.0	24	7	2	2.0	3.5
03	170	6	8	11.0	16.0	146	7	7	11.0	17.5	125	7	8	8.5	14.5	100	8	7	7.0	11.5	73	4	5	6.0	11.0	61	2	4	*5.0	*9.0	45	6	10	5.0	8.0	24	8	2	2.5	5.0
04	171	5	8	11.5	18.0	145	8	7	10.5	16.5	123	8	7	9.0	15.0	98	13	6	9.5	17.0	71	8	4	7.0	13.0	61	2	4	6.0	11.0	43	8	8	*4.0	*7.0	24	12	2	*2.0	*3.0
05	170	7	8	13.0	19.0	143	12	7	11.0	17.5	119	13	7	10.0	17.0	89	22	10	*9.0	*14.5	71	9	5	*7.5	*14.0	62	3	5	6.0	10.5	45	5	6	*5.5	*10.0	25	9	3	3.0	4.5
06	168	8	6	12.0	18.5	141	10	10	13.0	20.0	109	24	12	15.0	25.0	92	20	17	6.0	11.0	61	10	9	11.0	18.0	55	8	4	*6.0	*11.0	45	8	2	*6.0	*10.0	28	6	2	*4.5	*7.0
07	166	11	6	13.5	19.5	139	15	11	15.0	21.0	115	20	18	16.5	26.0	84	26	11	*8.5	*18.0	57	9	14	*12.0	*21.0	48	16	9	*10.5	*20.0	43	7	4	*7.5	*12.0	28	6	2	*3.5	*5.0
08	164	14	2	13.5	20.0	131	24	4	14.0	20.5	109	24	12	*12.0	*21.0	84	24	12	*9.5	*20.5	42	27	11	*9.5	*12.5	41	16	8	*12.0	*19.0	37	12	4	*9.0	*15.0	28	4	2	4.0	7.0
09	164	2	4	13.5	19.0	133	18	4	16.0	22.0	109	22	10	*15.0	*23.5	86	16	16	*5.0	*6.5	43	24	12	*3.0	*6.0	35			*13.0	*20.0	37	10	6	*10.5	*17.5	28	2	2	*3.5	*7.0
10	164	2	2	14.0	19.5	137	12	8	14.0	21.0	117	14	20	*16.0	*24.0	88	16	17	6.5	8.5	37	26	8	*4.0	*5.0	37	12	12	*8.5	*14.0	33	10	6	12.0	17.0	28	4	2	*4.0	*7.0
11	166	8	4	12.5	18.5	137	14	8	12.5	19.0	115	16	16	10.5	18.5	86	26	10	9.5	19.0	41	22	10	*7.5	*14.0	33	18	12	*7.0	*14.0	33	10	6	*11.0	*16.0	28	10	2	4.5	7.0
12	168	6	4	12.0	18.0	138	9	5	12.0	18.0	114	18	12	*10.5	*19.5	89	28	14	*9.0	*11.5	39	32	8	*6.0	*9.0	31	19	8	*6.5	*9.5	35	11	4	9.0	13.0	30	13	4	4.0	6.5
13	168	14	3	10.5	16.0	141	20	6	11.0	16.5	119	18	14	12.5	19.5	90	28	13	9.0	18.0	40	46	11	*9.0	*13.0	37	35	6	*11.0	*18.0	39	16	7	8.0	13.0	32	14	4	4.5	7.0
14	172	9	6	10.0	16.0	143	12	6	11.0	17.0	122	11	13	12.5	20.0	98	13	15	9.5	18.0	50	33	18	*12.0	*18.0	41	18	7	*9.0	*14.5	41	8	4	*8.0	*12.0	34	6	4	6.5	9.5
15	172	4	6	10.0	15.0	143	8	6	11.0	17.0	121	11	12	12.5	19.0	95	16	15	11.5	20.5	53	21	18	*8.0	*12.0	45	13	4	*8.5	*14.5	43	7	3	*6.5	*10.5	33	7	1	*4.5	*7.0
16	170	4	4	10.0	16.0	141	9	7	11.0	16.0	115	13	6	13.0	20.5	90	20	12	5.0	7.0	53	16	16	*7.5	*11.0	49	8	4	*7.0	*11.0	47	4	4	6.5	10.0	34	5	4	5.0	7.0
17	168	6	3	9.0	15.0	139	8	5	11.0	17.0	116	10	8	12.0	20.0	88	21	3	4.0	7.0	57	13	9	*7.0	*14.5	57	8	4	*6.0	*10.0	49	4	2	5.0	9.0	32	6	1	4.0	6.5
18	168	4	3	10.0	16.0	141	7	5	10.5	17.0	119	10	4	8.0	14.0	98	7	5	5.5	9.5	63	9	3	6.5	13.0	63	4	4	5.0	9.0	50	3	2	*5.0	*8.5	32	2	3	4.5	7.0
19	168	6	4	10.5	16.5	143	6	6	9.0	15.0	121	6	4	7.0	13.0	98	9	3	5.5	9.5	69	6	4	6.0	10.0	65	4	6	*3.0	*6.0	51	1	4	5.0	8.0	30	4	4	4.5	6.5
20	169	3	5	11.0	17.0	143	6	4	9.0	15.0	121	7	4	6.5	11.5	98	9	2	5.0	9.0	69	5	5	6.0	11.0	63	8	4	3.0	7.0	51	2	4	5.0	8.0	28	5	2	4.0	6.0
21	168	6	5	12.0	18.0	143	5	4	9.0	15.0	123	6	6	7.0	12.0	100	8	4	6.0	10.5	67	8	3	6.0	10.0	64	5	7	*3.0	*6.0	50	3	3	5.0	9.0	28	8	2	3.0	5.5
22	168	5	3	11.0	17.0	143	5	5	9.5	15.0	121	8	3	7.0	12.5	100	6	4	5.5	10.0	69	4	6	4.5	8.5	61	4	6	5.5	9.5	49	4	2	*5.0	*9.0	28	6	4	3.0	5.0
23	168	5	4	12.0	18.0	143	6	4	10.0	16.0	123	7	4	8.0	13.0	100	7	4	6.0	10.0	69	4	5	5.5	10.0	63	2	4	*4.5	*8.5	49	4	2	*5.0	*9.0	28	6	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 = 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 lagarithm in db below meon power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month November 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	165	5	4	12.0	18.0	141	4	6	11.0	18.0	119	6	5	8.5	15.0	98	6	4	7.0	12.5	67	2	6	7.5	13.0	58	4	2	7.0	11.0	44	6	6	*5.5	*9.0	24	4	2	2.0	4.0
01	165	6	4	12.0	18.0	139	7	4	10.5	17.0	120	6	5	9.0	16.0	98	8	4	7.0	13.0	67	4	4	7.0	13.0	58	4	2	6.0	10.5	42	4	6	5.0	8.0	24	2	2	2.0	3.0
02	165	7	4	11.5	17.0	141	6	6	11.5	18.5	119	8	4	9.0	16.0	98	8	4	7.5	13.0	69	4	6	7.0	13.0	58	2	4	7.0	11.0	38	8	4	5.0	7.0	22	6	0	1.0	2.5
03	165	6	4	12.0	17.5	139	8	4	13.0	19.0	119	10	5	10.0	18.0	96	9	3	8.5	14.5	69	4	6	7.5	14.0	58	2	6	6.0	11.0	38	8	6	4.0	7.0	24	5	2	2.0	3.0
04	163	11	2	12.0	17.5	138	11	5	*12.0	*19.0	118	10	6	12.5	21.0	94	10	2	10.0	18.0	67	8	4	8.0	14.5	56	6	2	7.0	13.0	36	8	4	3.0	5.5	24	2	2	1.5	2.5
05	164	7	3	12.5	18.0	139	9	8	14.0	20.5	116	10	13	15.0	23.5	88	14	12	*15.0	*22.5	69	6	8	8.0	14.5	56	4	4	*6.0	*12.0	38	8	4	*5.0	*7.5	24	2	2	1.5	2.5
06	165	6	4	13.0	18.0	136	11	9	15.0	21.0	110	15	20	17.5	25.0	82	23	14	*10.0	*14.0	61	8	10	10.0	17.0	54	4	6	7.0	12.0	42	6	4	*6.0	*8.5	26	4	4	3.0	5.0
07	163	8	6	13.0	18.5	133	14	9	*16.0	*23.0	109	18	22	*17.5	*27.0	84	16	16	*9.0	*11.0	49	14	10	8.0	14.5	48	6	10	10.0	16.0	40	6	6	8.0	12.5	26	4	4	*4.5	*6.5
08	161	8	4	12.0	17.0	131	14	12	17.0	24.0	101	14	16	*14.0	*23.0	85	18	20	*10.0	*15.0	43	14	12	*4.0	*7.0	40	8	16	*10.5	*17.5	34	6	6	10.0	15.5	26	4	2	*3.5	*5.0
09	163	8	6	12.5	17.5	129	16	10	15.0	22.5	101	22	14	*13.5	*23.0	79	20	14	*2.0	*4.0	41	16	10	5.0	7.0	34	14	14	11.5	17.0	31	7	7	11.0	16.5	27	5	3	3.0	5.0
10	163	6	4	13.0	18.5	131	12	8	14.0	20.5	101	20	16	*13.0	*23.0	75	25	9	*1.5	*3.0	39	12	8	*2.5	*5.0	30	14	12	*11.0	*16.0	29	7	9	12.0	17.0	26	4	4	4.0	6.0
11	163	6	2	11.0	17.0	129	10	4	*9.5	*14.0	99	24	10	*10.5	*18.5	78	29	14	*4.5	*5.5	41	13	10	*3.0	*5.5	28	10	12	*9.0	*12.5	30	6	14	9.0	13.5	27	4	5	3.5	5.5
12	165	6	4	12.0	18.0	132	7	5	12.5	18.5	101	20	8	*9.0	*14.5	76	21	8	*3.0	*4.0	35	17	6	*3.5	*7.5	26	25	8	*7.0	*11.0	30	10	6	*9.0	*14.0	26	9	2	3.5	5.5
13	165	8	2	10.5	16.0	133	10	4	11.0	17.0	107	20	11	*10.0	*16.5	84	30	16	*1.5	*2.5	41	16	10	*6.0	*9.0	30	18	10	*11.5	*14.0	34	16	9	9.5	14.0	30	6	4	4.0	6.5
14	169	6	4	10.5	16.0	137	12	6	12.0	18.0	114	15	13			89	21	15			43	23	12	*3.5	*5.0	38	25	14	*9.5	*16.0	38	8	6	9.0	13.5	30	6	2	*5.0	*6.5
15	168	6	3	11.5	17.0	137	14	4	13.0	19.0	114	14	15	*18.0	*25.5	87	21	11	*6.0	*11.0	49	20	12	*8.5	*14.0	46	12	14	*9.5	*16.0	40	6	6	7.0	10.0	30	4	2	4.0	6.5
16	167	5	3	9.5	15.5	135	11	5	11.5	18.0	111	13	11	14.5	23.0	84	18	9	*19.0	*26.0	49	12	16	*11.0	*17.0	46	10	9	*8.0	*11.0	42	4	3	5.0	8.0	30	6	2	4.5	6.5
17	165	7	4	11.5	17.0	135	10	6	12.0	18.0	111	14	8	*12.0	*18.0	88	13	4	*4.0	*7.5	51	17	8	8.0	11.5	54	7	4	*5.5	*10.0	46	2	4	5.5	9.0	30	3	3	4.5	6.0
18	163	7	4	12.5	18.5	136	4	6	12.0	18.5	115	4	4	9.5	16.0	96	6	5	7.0	11.5	61	8	6	7.0	11.5	58	6	2	*5.5	*9.0	46	4	4	5.5	8.5	28	5	3	4.0	5.5
19	163	4	3	13.0	19.0	137	6	4	10.5	17.5	115	4	4	8.0	14.0	96	3	4	6.5	11.0	65	4	6	7.0	11.0	60	3	4	*5.5	*9.0	46	2	3	*5.0	*8.0	28	2	4	3.5	5.0
20	163	3	6	14.0	20.0	137	3	6	12.0	18.5	117	4	8	9.0	15.5	96	4	4	6.0	11.0	63	6	6	8.0	13.0	58	4	2	5.5	9.5	44	2	2	*6.0	*8.5	26	2	2	3.0	4.0
21	163	5	5	13.0	19.0	137	5	6	11.0	18.5	117	5	7	10.0	16.5	97	3	4	8.0	15.0	63	6	6	7.0	13.0	60	2	4	*6.0	*9.5	44	4	2	*5.5	*8.0	25	3	1	3.0	5.0
22	163	5	4	13.0	18.5	137	5	6	11.5	18.0	117	6	5	10.0	17.0	98	5	6	9.0	14.5	63	6	6	7.5	13.0	58	4	4	6.5	11.0	44	4	2	4.5	7.0	26	2	4	3.0	4.0
23	165	3	6	13.0	18.5	137	7	4	11.0	18.0	119	4	5	8.5	16.0	98	6	4	7.0	13.0	65	4	6	7.0	13.0	58	4	3	6.0	10.5	44	4	5	6.0	9.5	24	4	0	3.0	4.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month September 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	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	163	4	2	*11.0	*17.0	137	6	6	7.5	15.0	114	2	6	10.0	14.5	93	6	8	*8.5	*15.0	64	10	6	*4.5	7.0	57			4.0	6.0	43	4	6	*4.0	*6.0	23	0	4	*1.5	*3.0
01	163	4	3	12.0	18.0	137	6	8	8.5	16.0	114	2	6	10.0	16.5	92	5	7	*8.0	*16.0	64	10	8	4.0	5.0	55			4.5	7.0	43	4	10	*3.0	*5.0	22	1	3	*1.0	*2.0
02	163	2	3	12.5	18.0	*137			7.0	14.0	114	4	5	*10.5	*17.5	93	6	6	*9.5	*15.5	64	10	6	3.5	8.0	59			3.5	7.0	43	2	12	*4.5	*6.0	23	0	4	*1.0	*2.0
03	162	3	1	*11.0	*18.0	135	2	6	8.5	15.0	114	4	4	*9.0	*16.5	*93			*8.0	*16.5	64	10	6	4.0	8.0	57			4.0	7.0	43	2	8	*5.0	*8.0	23	0	4	*1.5	*2.5
04	161	2	2	*10.0	*18.5	*133			9.5	17.5	112	2	11	*10.0	*17.5	87	10	13	*7.5	*14.0	62	14	6	5.5	7.0	57			4.0	7.5	41	4	8	*5.0	*5.5	21	4	2	*1.5	*2.5
05	161	4	2	*12.0	*19.0	*129			12.0	19.5	100	10	12	*10.5	*17.0	*75			*7.5	*12.0	57	14	7	*6.0	*8.5	51			2.0	2.5	39	4	8	2.5	4.5	23	4	6	*1.0	*2.5
06	159	4	1	*13.0	*19.5	*127			13.0	20.0	*90			*7.5	*15.0	67	14	6	*8.0	*13.0	48	4	4	*1.5	*4.0	41			4.5	8.5	37	8	6	*1.5	*3.0	25	4	6	*2.5	*4.0
07	159	4	2	*14.5	*20.5	*127			11.5	21.0	92	20	6	*10.0	*15.0	65	20	4	*8.5	*15.5	48	11	6	*1.5	*4.0	39			2.5	3.0	34	7	3	*3.0	*3.0	25	6	8		
08	*160			*13.5	*20.0	*127			13.5	21.0	93	21	15	*8.0	*9.5	67	17	6	*5.0	*6.5	48	16	6			41			3.5	7.0	33	4	6	*3.5	*4.0	27	4	9	*1.0	*4.0
09	161	6	4	*15.0	*20.5	*127			14.0	22.0	92	19	10	*11.0	*12.5	67	12	6	*3.0	*5.0	50	11	8			39			2.0	3.0	31	7	4	*5.0	*7.0	25	8	6	*4.0	*5.5
10	161	4	2	*14.0	*20.0	133	4	10	16.0	21.5	97	19	17	*10.0	*12.0	69	27	7	*4.0	*5.0	51	7	7	*2.0	3.0	39			3.5	5.0	31	6	4	4.5	6.5	27	4	4	*2.5	*5.0
11	163	6	4	*12.0	*16.5	*139			11.0	21.0	103	26	11	*8.0	*13.5	71	36	9	*4.0	*5.5	52	15	8	*2.0	4.0	41					33	8	6	2.5	5.0	27	6	4	*3.5	*4.5
12	165	4	4	*10.0	*16.0	140	11	11	10.0	15.0	110	17	11	*9.5	*12.5	90	17	27	*8.5	*17.0	53	13	7	*2.0	6.5	41			1.5	2.5	35	6	6	5.0	7.0	27	8	2	2.5	3.0
13	167	6	4	10.0	15.0	*141			8.5	14.0	115	20	21	10.0	17.0	91	25	28	*10.0	*20.0	59	15	13	*2.0	3.0	57			11.0	13.5	39	12	8	*5.0	*6.5	31	6	8	*2.5	*5.0
14	169	4	6	10.0	15.0	143	12	8	10.0	15.0	118	16	16	8.5	14.5	91	18	23	*9.0	*18.5	60	17	14	*4.5	5.5	55					39	10	4	*3.5	*6.0	31	4	6	1.0	3.0
15	169	4	6	*9.0	*13.5	143	8	13	8.0	13.5	124	8	12	*7.5	*12.0	91	18	24	*9.0	*13.0	58	16	14	*6.5	14.0	51					43	6	6	*4.0	*5.0	30	7	5	*2.5	*4.0
16	168	7	5	*8.5	*13.0	143	13	14	9.0	12.0	120	9	6	8.0	13.0	99	15	34	*6.5	*11.0	55	10	9	*3.0	5.5	55			3.0	3.5	45	8	6	3.5	6.5	31	6	6	*1.5	*3.0
17	167	4	4	9.0	15.5	145	8	10	9.5	16.5	121	8	7	10.0	12.5	97	10	32	*6.0	*10.5	58	18	10	*4.0	5.0	55			2.5	4.5	45	8	4	*3.5	*5.5	31	4	6	*1.5	*3.0
18	165	4	6	*9.0	*16.0	*145			8.5	12.5	118	10	13	7.5	13.0	98	8	24	6.5	9.5	64	12	10	3.0	5.0	61			3.5	4.0	47	4	4	4.0	4.5	29	4	6	*2.5	*3.5
19	167	4	6	11.0	16.5	*145			6.0	12.5	118	9	10	8.0	12.0	99	10	17	*6.5	*10.0	68	8	14	4.0	7.5	63			3.0	5.0	47	4	6	*3.5	*6.5	25	6	2	*3.0	*3.5
20	167	4	5	10.0	16.0	*144			7.0	13.0	116	10	8	*8.5	*13.5	95	10	6	7.0	12.5	68	6	10	4.0	6.0	65			5.0	7.5	45	4	4	*2.5	*4.0	25	4	6	*2.0	*3.0
21	165	4	4	10.0	17.0	143	4	10	7.0	13.5	116	9	8	*7.5	*11.0	97	5	11	8.5	*12.5	67	7	9	5.0	8.5	57			4.5	5.0	43	4	6	*4.5	*5.0	23	4	2	*3.0	*4.5
22	163	4	4	10.0	18.0	*139			7.0	13.5	116	7	8	*6.5	*12.5	95	5	7	*8.0	*12.5	68	6	12	3.0	5.5	58			5.0	6.5	43	4	6	*4.0	*4.0	23	2	4	*2.0	*3.0
23	163	4	2	*10.5	*17.5	*139			8.0	13.5	114	8	6	8.0	12.5	95	5	9	*7.0	*10.0	66	8	10	*4.0	*6.5	58			5.5	7.0	43	4	4	*5.0	*8.0	23	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} = medion deviation of average voltage in db below meon power
L_{dm} = median deviatian af average iagarithm in db below meon power

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 F_{am}	.013 D_u	.013 D_l	.013 V_{dm}	.013 L_{dm}	.051 F_{am}*	.051 D_u	.051 D_l	.051 V_{dm}	.051 L_{dm}	.160 F_{am}	.160 D_u	.160 D_l	.160 V_{dm}	.160 L_{dm}	.495 F_{am}	.495 D_u	.495 D_l	.495 V_{dm}	.495 L_{dm}
00	161	7	4	9.0	16.0	134			*8.0	*16.0	114	8	8	5.0	14.0	97	6	10	4.0	12.0
01	161	6	4	8.0	15.0	133			*8.0	*15.5	*116			*6.0	*10.0	97	4	8	*6.0	*14.0
02	161	4	4	*9.0	*16.0	131			*7.0	*15.0	116	4	12	*6.0	*13.5	97	4	12	*5.0	*13.5
03	*162			*10.0	*17.0	133			7.5	15.0	*115			*9.0	*18.0	95	8	14	4.0	12.5
04	161	4	6	*8.0	*15.0	133			*5.0	*15.0	*111			*4.0	*12.0	*93			*6.5	*16.0
05	*157			9.0	16.5	125			*9.0	*18.0	*110			*6.0	*16.0	*73			*3.0	*11.0
06	159	6	6	*10.5	*17.0	126			*10.0	*18.5	*90			*3.0	*11.5	71	8	8	*5.0	*10.0
07	157	6	6	*11.0	*16.0	125			*8.0	*16.0	*84			*7.5	*18.0	69	12	8	*4.0	*11.0
08	*157			*10.5	*17.0	118			*10.0	*18.5	*90			*6.0	*11.0	65	6	2	*3.0	*8.5
09	*158			*9.5	*16.0	117			*10.0	*18.0	*88			*7.0	*15.0	*66			*3.5	*7.0
10	*157			*8.0	*14.5	113			*7.5	*15.5	*82			*4.5	*12.0	67	4	4		
11	159	6	4	*7.5	*13.5	115			*6.0	*14.0	*86			*8.0	*16.5	*69			*4.0	*10.0
12	161	3	8	*8.0	*15.0	125			*6.0	*14.0	*90			*4.0	*7.5	67	12	4	*6.0	*12.0
13	161	4	6	*7.0	*13.0	119			6.0	13.5	*100			*6.0	*12.0	*71				
14	159	7	4	*8.0	*13.0	124			*4.5	*12.0	*92			*6.0	*10.0	68	7	5	*4.0	*9.0
15	161	4	7	8.0	14.0	127			*8.0	*16.5	*92			*6.0	*12.0	67	13	4	*4.0	*7.5
16	157	8	2	*8.0	*14.5	129			*8.0	*16.5	104	8	20	*6.0	*12.0	*71			*4.0	*9.0
17	159	6	2	*8.5	*16.0	127			*6.0	*14.0	*102			*5.5	*15.0	*79			2.5	7.5
18	159	6	1	9.0	16.0	133			*5.5	*12.0	109	7	9	*4.5	*12.0	87	10	6	*5.0	*10.0
19	159	6	2	*9.0	*17.0	133			*6.0	*14.0	*110			5.0	14.0	*91			*4.0	*11.0
20	159	8	2	8.5	16.0	133			*5.0	*12.0	*112			*6.0	*14.0	*94			*4.0	*11.0
21	160	5	3	*8.0	*13.5	131			*3.0	*11.0	113	5	11	*6.5	*14.0	*93			*5.0	*12.0
22	161	5	4	7.5	15.0	132			*5.0	*13.5	*114			*6.0	*15.0	95	6	11	*7.5	*14.0
23	*159			*9.0	*16.0	129			*8.0	*16.5	*114			*6.0	*15.0	*97			*6.5	*15.0

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_l	2.5 V_{dm}	2.5 L_{dm}	5 F_{am}*	5 D_u	5 D_l	5 V_{dm}*	5 L_{dm}*	10 F_{am}	10 D_u	10 D_l	10 V_{dm}*	10 L_{dm}*	20 F_{am}	20 D_u	20 D_l	20 V_{dm}*	20 L_{dm}*
00	63	10	8	6.0	9.0	56			4.5	8.5	39	5	9	5.0	8.0	24	1	3	1.0	3.0
01	65	9	9	*5.0	*8.5	58			5.0	8.5	39	3	8	5.0	8.0	25	0	4	1.5	3.0
02	64	9	11	*4.5	*7.0	56			6.5	9.0	35	10	3	6.0	8.5	25	0	6	1.5	3.0
03	65	9	14	*5.0	*7.0	58			4.5	7.5	37	6	8	3.5	5.5	25	0	5	1.5	3.0
04	63	12	15	*4.0	*5.0	56			3.5	6.5	35	9	8	4.0	8.0	25	0	6	1.0	3.0
05	55	9	8	*4.5	*8.0	50			5.0	9.0	37	4	8	4.0	6.5	25	2	4	1.5	4.0
06	50	8	3	*2.0	*4.5	41			5.5	10.0	36	6	3	3.5	7.0	25	4	2	2.0	4.0
07	47	6	3	*2.0	*3.5	40			3.5	6.5	37	4	4	6.0	9.0	27	5	2	2.0	4.0
08	45	8	2	*1.5	*3.0	36			2.5	5.0	35	4	4	2.0	4.0	27	6	4	2.0	4.0
09	*45			*3.5	*7.5	38			3.0	5.5	*33			3.0	6.0	29	2	6	4.0	6.0
10	45	8	2	*2.0	*4.0	40			4.0	6.0	31	12	4	3.0	6.5	29	4	4	2.0	3.5
11	47	6	2	*3.0	*5.0	38			3.0	7.5	32	3	5	6.0	8.0	31	2	6	3.0	4.0
12	47	6	2	*3.0	*5.0	38			1.5	3.0	31	6	2	5.0	8.0	31	6	4	3.0	5.0
13	47	7	4	*2.5	*4.0	41			3.0	6.0	35	6	4	5.0	8.5	31	4	6	2.0	4.0
14	47	6	3	*4.5	*6.5	40			4.0	5.5	34	9	1	6.5	9.5	31	4	4	2.0	3.5
15	47	6	2	*3.5	*5.5	42			2.0	3.5	39	6	5	5.5	8.5	33	2	5	1.5	3.0
16	53	14	6	*3.5	*6.0	49			4.0	7.0	41	6	1	5.0	7.5	33	3	6	1.5	3.0
17	59	9	8	*5.0	*9.5	58			2.5	5.0	45	2	4	6.0	9.0	32	3	4	2.5	4.5
18	62	10	5	*3.5	*8.5	62			5.0	8.0	45	4	2	4.0	7.0	27	5	3	1.5	3.5
19	63	5	7	*4.5	*7.0	60			6.0	9.0	43	4	5	4.5	8.0	26	1	3	1.5	3.5
20	64	3	11	*4.5	*7.0	58			5.0	8.0	*41			5.0	8.5	25	2	2	2.0	3.5
21	65	2	12			57			6.0	9.0	41	4	10	4.5	10.5	25	2	2	2.0	3.5
22	63	7	9	*5.5	*8.5	58			6.0	10.0	41	6	6	6.0	8.0	25	0	2	2.5	4.0
23	63	10	9	*5.0	*9.0	58					41	3	12	6.0	10.0	25	0	3	1.0	2.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fom	Du	Dℓ	Vdm	Ldm
00	154	2	6	10.5	17.0	129	4	12	8.0	15.0	106	6	18	10.0	15.0	81	11	8	8.0	13.0
01	154	4	6	10.0	16.0	127	5	15	8.0	15.0	102	12	8	9.0	15.5	81	10	9	8.5	12.5
02	154	2	6	11.0	16.0	127	6	13	8.5	15.0	102	10	9	10.5	19.0	79	10	12	8.0	15.0
03	154	2	6	11.5	18.0	126	7	13	10.0	17.5	104	7	12	12.0	19.0	77	12	9	8.5	13.5
04	152	4	4	11.5	18.0	125	7	10	10.5	18.0	98	12	13	11.5	19.0	75	12	14	7.0	11.0
05	153	3	7	12.0	17.5	122	10	14	10.5	17.5	91	15	19	11.0	16.5	67	10	6	*6.0	*8.5
06	152	4	6	11.0	17.5	120	8	11	11.0	18.0	84	16	11	9.5	11.0	62	9	5	*6.5	*10.0
07	150	6	2	11.5	16.5	113	12	8	8.0	16.0	76	22	7	8.0	11.5	59	6	4	5.0	6.5
08	150	6	4	12.0	17.5	105	14	4	10.5	17.5	74	21	6	9.0	12.5	61	4	6	*4.0	*6.0
09	148	7	3	11.0	16.0	*104			11.0	17.0	75	18	7	*7.0	*9.0	59	6	2	*4.5	*6.0
10	152	4	5	10.5	16.0	110	19	9	12.5	18.0	76	22	8	*5.0	*15.0	61	3	5	*5.0	*7.0
11	150	5	2	11.5	15.0	*113			11.0	16.5	76	19	4	9.0	10.0	61	4	2	3.0	7.0
12	152	4	6	10.5	15.5	113	8	12	10.0	17.5	79	11	9	8.0	10.0	61	11	2	2.5	5.0
13	151	3	5	10.0	15.0	110	9	11	11.0	18.5	78	21	8	*11.0	*13.0	61	4	3	3.5	5.0
14	150	6	4	11.0	16.5	109	12	8	12.0	18.0	78	15	6	8.0	9.5	61	17	2	*5.0	*6.5
15	148	6	2	11.5	16.5	115	8	12	11.0	19.0	78	23	6	6.0	11.0	61	18	4	3.5	10.0
16	148	6	4	11.0	16.5	115	6	13	11.0	16.5	86	14	8	7.0	11.0	65	17	6	5.5	9.5
17	150	6	7	11.0	16.0	117	13	8	9.0	15.5	98	10	13	9.0	16.0	71	12	10	7.5	13.0
18	150	6	5	12.0	18.5	122	12	13	9.5	16.0	98	10	18	9.5	15.5	76	9	15	8.5	12.0
19	152	4	8	12.5	19.5	125	4	18	10.0	19.0	104	6	17	7.0	12.5	77	12	14	8.0	12.5
20	152	4	8	12.0	19.0	125	8	10	10.0	17.0	102	8	18	10.0	13.0	78	8	9	8.5	14.0
21	152	6	6	12.0	18.0	*129			10.0	17.0	101	9	17	10.0	16.0	81	10	6	8.0	13.5
22	152	6	4	11.5	18.0	127	4	9	9.0	16.0	106	8	20	9.5	14.0	81	10	10	6.0	11.0
23	154	2	6	10.5	16.0	126	8	5	9.0	16.0	102	12	14	9.0	15.0	82	11	11	6.5	10.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	54	11	5	*4.0	*6.0	49	6	8	*5.0	*8.5	34	6	4	*3.0	*4.5	25	0	2	*1.5	*3.0
01	55	6	5	*6.5	*8.5	49	8	4	*5.0	*8.5	34	6	6	*5.0	*7.0	25	2	2	2.0	3.5
02	54	8	3	*5.5	*7.0	49	6	8	*4.5	*9.0	34	6	6	4.5	6.5	25	0	0	2.0	4.0
03	52	10	4	5.5	7.5	49	9	8	*7.0	*10.0	34	6	6	4.0	6.5	25	0	0	2.0	3.5
04	52	10	5	*6.0	*8.0	50	9	9	*4.0	*7.0	32	6	4	*4.5	*6.0	25	2	0	2.0	4.0
05	48	11	2	*6.0	*8.5	47	10	6	*3.5	*6.0	33	5	5	*3.0	*4.5	25	2	0	*2.0	*3.5
06	48	4	2	*3.0	*4.5	41	11	1	*4.0	*6.0	34	6	2	*3.5	*5.0	27	2	2	2.0	4.0
07	46	2	2	*3.5	*5.5	39	2	4	3.0	5.5	34	4	4	*5.0	*7.5	29	2	2	2.0	4.0
08	46	2	2	*2.0	*4.0	35	4	4	*3.0	*5.0	30	4	4	*5.0	*7.0	29	4	2	*4.0	*6.0
09	46	2	4	*2.5	*4.0	35	4	6	*1.0	*3.0	28	4	3	*3.5	*5.0	29	3	2	*1.5	*3.5
10	46	2	4	*1.5	*4.0	35	4	2	*1.5	*3.5	28	4	2	*6.0	*8.5	29	2	4	*3.0	*4.5
11	46	2	2	*2.5	*3.0	*35			*2.0	*4.0	26	3	2	*5.0	*6.5	29	2	2	*2.5	*4.5
12	46	4	2	*2.5	*4.0	35	4	4	*2.0	*3.5	28	6	2	*2.5	*4.5	29	2	2	*1.5	*3.0
13	46	4	4	*1.5	*4.0	37	3	4	*2.0	*4.0	28	4	2	*2.5	*4.0	31	2	4	*3.0	*4.5
14	46	6	2	*1.0	*3.0	37	4	4	2.0	4.0	32	4	4	*2.5	*4.0	31	2	2	*2.0	*4.0
15	46	6	2	*2.0	*3.0	39	2	4	*2.5	*4.5	35	3	3	*4.0	*6.0	31	2	2	*2.0	*3.0
16	46	10	0	*2.5	*3.5	41	4	4	*2.5	*5.0	38	2	2	*6.0	*9.0	31	2	4	*3.0	*5.0
17	50	11	4	*2.0	*3.0	44	8	3	*5.0	*8.0	40	2	4	*6.0	*9.0	27	4	2	*2.0	*4.0
18	51	13	5	*4.0	*8.5	47	9	6	*6.0	*11.0	40	4	2	*6.0	*8.0	27	2	2	2.0	4.0
19	52	11	5	*3.5	*5.5	47	7	4	5.5	8.5	38	4	4	*5.5	*7.5	25	2	0	*2.5	*4.0
20	50	9	4	*4.0	*6.0	48	7	6	6.0	9.0	38	4	8			25	2	0	2.5	4.0
21	58	6	8	4.0	6.5	49	5	5	*6.5	*9.0	37	3	5	*5.0	*7.0	25	2	0	*3.0	*4.0
22	55	11	3	*4.5	*7.0	48	7	4	*5.0	*8.0	36	4	4	*4.5	*7.0	25	0	0	*2.5	*4.0
23	56	7	5	*4.0	*6.5	51	7	9	*6.0	*8.5	36	4	6	*5.0	*6.5	25	0	0	*1.0	*3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	106					79					62					57					27					37	6	20			23					20	0	2		
01	104					75					64					56					27					28	13	13			21					20	0	2		
02	105					77					66										27					25					21					18	2	0		
03	104					76					64										25					17					19					18	2	0		
04	104					75					66					58										18					21					18	2	0		
05	102					79					66					58					25					18					20					18				
06	100					77					65					58					27					19					20					18	2	2		
07	100					76					64					58					27					20	10	5			19					18	2	2		
08	99					75					64					56					27					19	8	4			16					18	2	0		
09	98	2	6			75					63					59					27					17					18					18	2	0		
10	96					75					66					54					25					18					14					18	2	2		
11	96					73					64					56					25					17					17					18				
12	98					74					64					54					27					21					17					18	2	0		
13	96					73					64					56					26					23					18					18	2	0		
14	126					73					64					57					25					26					20					18	0	2		
15	127															58					27					23	8	5			19					20	2	2		
16	100					73					65					59					27					25					24					20	4	2		
17	100	2	2			77					66					60					27	0	2			34					25					20	2	2		
18	100	6	4			77					65					58					27	0	4			35					23					20	4	2		
19	102	6	6			77					66					54					27	0	2			33	8	26			24					20	2	2		
20	105	5	5			75					66					58					27	0	4			38	1	16			25					20	2	2		
21	106	6	8			77					66					54					27					38					28					20	2	2		
22	107	5	9			79					64					60					25					31	12	23			27					20	2	2		
23	106					78					62					57					27					39	14	23			24					20	0	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	101	10	3			79	5	2			68	2	2			59	3	5			27	2	2			27					23					18	2	0		
01	101	8	4			79	0	4			66	0	4			57	3	4			27	2	2			23	10	0			24					18	2	2		
02	100	5	4			78	5	3			67	3	6			56	5	3			27	0	2			21	4	6			17					18	8	2		
03	97	4	1			77					68					59					27	0	2			19										18	2	2		
04	99					77					67					50					27	0	2			19	8	4			15					18	2	2		
05	99	0	2			79					68	2	6			50	4	4			27	2	2			15					16					18	2	2		
06	99	2	4			79					68	2	2			57	4	2			27	2	2			17					15					18	2	2		
07	97	4	3			79	5	5			66	3	3			59	5	4			27	2	2			17					14					18	0	2		
08	97	4	2			81	4	2			68	2	2			57	5	3			27	2	2			17					17					18	2	2		
09	97	2	4			81	4	4			66	4	3			58	4	4			27	0	2			15					18					18	2	0		
10	96	4	3			79	4	6			68	2	4			60					27	0	2			17					18					18	2	2		
11	93	6	2			79	7	5			68	4	2			60	7	5			27	0	2			16					20					18	2	0		
12	95	4	2			80	7	5			68	2	4			61	5	1			26	1	1			19					17					18	2	0		
13	95	3	3			79	6	6				4	2			62	4				26	0	2			17					18					18	2	0		
14	95	4	2			79					68	4	2			60	2	6			27	0	2			17					19					18	2	0		
15	97					81					70					61					25	2	0			18					20					18	1	1		
16	97										68					60					27	2	2			21					22					18	1	1		
17	97					82	5	7			68					57	2	4			27	1	2			21					22					18	2	1		
18	99	8	4			81	10	8			66	2	4			61	3	7			27	2	2			23					21					18	2	2		
19	100	6	5			79	11	2			68	2	4			61	5	2			25	4	0			26					24					18	3	0		
20	99	6	2			81	6	6			68	4	0				2	4			26	1	1			31		14			22					20	2	2		
21	101	6	4			79	10	3			68	3	3				2	7			27	2	2			33					24					18	2	0		
22	101	9	5			79	9	4				4	3			50	4	4			27	1	2			29	14	10			21					18	2	0		
23	101	8	4			77	11	2				2	2			50	2	6			26	1	1			17	12	12			27					18	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. 80.0S Long. 120.0 W Month November 1960

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	*99					74					*66					*59					*22					21	8	8			22	9	9			17	3	2		
01	*97					74					*67					*59					23	3	1			22	10	6			19	8	12			17	3	3		
02	*95					76					*68					*57					24	0	4			15	9	2			16	11	7			17	2	2		
03	*97					74					*69					*52					*22					17	4	4			15	14	6			17	2	3		
04	*99					74					*69					*58					*24					17	5	4			17	10	8			17	3	3		
05	*97					74					*69					*57					*24					17	4	4			19	10	8			17	2	2		
06	*97					74					*67					*57					*24					17	2	4			17	8	8			17	2	2		
07	*97					74					67	4	2			55	9	2			24	2	2			*15					*19					17	2	2		
08	99	.1	6			76					67	4	2			55	8	2			24	2	4			16	3	5			*19					17	2	2		
09	97	4	2			76					*65					*57					*22					15	4	4			19	2	6			17	2	2		
10	*97					76					*66					*58					*22					15	2	2			17	2	6			17	2	2		
11	97	2	2			75					*65					57	4	4			22	4	0			15	2	2			17	2	7			17	3	2		
12	95	2	2			74					*65					57	6	2			22	2	2			15	3	2			17	3	7			17	3	3		
13	95	2	2			75					*67					*59					25	1	3			17	2	6			17	4	7			17	2	2		
14	95	2	4			76					*65					*57					24	0	2			15	2	2			17	4	8			18	3	3		
15	*97					78					*67										*24					15	4	4			19	3	9			18	2	3		
16	*96					76					*67					*56					*24					17	2	4			21	2	10			19	2	3		
17	97	3	4			76					67	6	2			*59					*24					17	5	4			23	2	12			19	2	3		
18	97	3	2			76					67	6	3			59	6	4			24	2	4			16	8	3			22	6	13			19	2	3		
19	99	4	4			74					67	6	4			59	6	5			24	2	3			19	6	6			21	5	10			19	1	4		
20	99	5	4			76					67	6	4			59	4	6			24	2	2			21	11	8			22	9	7			18	5	3		
21	99	4	4			74					67	4	4			60	5	7			24	1	4			17	10	3			24	8	13			19	2	4		
22	99	4	4			74					*68					57	8	4			22	2	0			20	13	7			24	8	13			18	3	3		
23	99	4	4			74					67	4	4			57	4	2			24	2	4			23	6	10			23	8	11			17	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 Cook, Australia Lat. 30.6 S Long. 130.4 E Month September 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*	Fom	Du	Dℓ	Vdm*	Ldm*	Fom	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	154	4	2	7.0	11.5	127	10	2	9.0	17.0	104	10	6	5.0	11.5	84	16	10	2.5	7.5	59	10	11	7.0	13.5	53	9	7	6.0	10.5	45	6	4	4.0	6.5	25	4	0	*1.5	*3.5
01	154	4	0	6.0	10.5	129	8	2	7.5	13.5	104	10	6	8.0	15.0	82	18	6	6.0	13.5	55	14	8	5.0	10.0	52	8	4	5.0	9.0	43	6	2	4.5	8.5	25	2	2	2.0	3.0
02	156	6	2	8.0	13.0	129	8	4	8.5	14.5	102	12	6	8.5	14.0	80	18	4	7.0	15.0	57	10	10	5.0	10.5	52	10	4	6.0	9.5	43	5	2	*4.5	*8.5	23	2	0	2.0	3.5
03	*154			6.0	10.5	*129			7.0	12.5	102	10	6	9.0	17.0	78	16	4	9.0	17.5	55	12	6	5.0	10.0	54	8	4	5.0	8.5	41	4	2	4.0	7.0	23	2	0	*2.0	*3.5
04	154	6	2	5.5	10.0	127	8	2	7.0	11.5	100	10	6	10.0	17.5	76	16	8	6.5	11.5	54	14	7	5.5	11.0	52	10	4	5.5	10.0	41	6	6	4.5	7.5	23	0	0	*2.0	*3.0
05	154	6	2	7.0	12.0	127	6	4	11.5	18.5	98	6	8	9.0	17.0	70	10	8	5.0	10.0	51	15	8	*5.5	*10.0	52	7	6	4.5	9.0	39	6	4	4.0	6.0	23	4	0	*3.0	*5.5
06	*154			8.0	13.0	*117			8.0	13.5	*70			10.5	16.5	*45			8.5	14.5	49	6	12	*5.0	*9.0	48	4	6	4.5	8.0	39	6	4	4.0	6.5	25	2	2	2.0	4.0
07	152	4	2	8.5	14.0	*113			12.5	18.0	72	24	14	11.5	21.5	48	14	8	2.0	4.0	31	13	10	*5.0	*7.5	32	9	6	4.5	7.0	33	10	3	3.5	6.0	25	6	2	3.0	5.0
08	150	4	2	9.5	14.5	111	12	2	11.0	17.0	68	28	10	11.0	18.5	42	14	2	5.5	8.5	21	13	2	*6.0	*8.0	24	11	9	*5.0	*7.5	31	8	8	3.5	6.5	27	2	4	3.0	6.0
09	150	4	2	11.5	18.0	111	12	6	13.0	20.5	*72			13.0	21.0	*48			6.0	8.5	19	15	0	*5.0	*7.5	26	6	12	5.0	6.0	28	9	11	3.0	6.5	25	4	6	2.5	5.0
10	*150			11.0	17.5	*111			13.5	21.0	*75			15.0	22.5	*50			4.5	6.0	19	10	0	*3.0	*4.5	24	10	10	*2.5	*4.0	29	10	12	2.5	4.5	25	6	4	2.5	4.5
11	*149			12.0	18.5	*113			13.5	19.5	*71			12.5	20.0	*50			3.5	5.5	19	15	0	*2.5	*4.5	30	6	16	2.0	3.5	30	9	13	2.0	4.0	21	4	2	2.0	4.0
12	*150			11.0	17.5	*113			13.5	20.0	*72			16.5	25.5	*50					19	10	0	3.5	5.0	26	12	12	*3.0	*5.0	30	9	15	*4.0	*6.0	23	4	4	3.5	4.5
13	*150			11.5	18.5	*116			11.5	19.5	76	20	18	11.5	19.5	*52			4.0	6.5	19	15	0	*3.5	*5.0	32	8	14	*3.0	*5.0	29	10	10	6.0	8.5	23	5	2	3.0	5.0
14	*150			11.0	20.5	*115			11.0	18.5	*76			12.0	21.5	*51			6.0	9.0	21	13	2	*3.5	*5.0	30	8	10	*1.5	*3.0	35	6	14	4.5	6.5	25	3	2	*3.5	*5.5
15	*152			10.0	16.0	*115					*88			6.0	10.5	*52			3.0	5.0	21	10	2	*3.5	*6.0	32	10	6	*5.5	*8.0	*36			*9.0	*13.5	*26	.		*2.5	*3.5
16	*152			8.0	14.5	*120			8.5	14.5	*80			10.0	19.0	46	18	6	7.0	14.5	23	12	4	*2.5	*4.5	30	14	8	4.0	8.0	39	8	4	3.0	6.0	27	4	2	*2.0	*3.5
17	152	6	2	7.5	13.5	116	13	9	6.5	12.0	86	22	14	9.0	18.5	*62			5.5	12.0	35	16	12	5.0	7.5	40	11	7	4.0	7.5	43	4	4	3.5	7.5	29	4	4	3.0	5.5
18	152	2	4	9.0	14.0	118	10	8	10.0	17.0	96	14	14	8.5	17.5	74	18	8	6.0	13.5	49	11	10	*6.0	*11.5	54	8	10	5.5	9.0	46	5	5	4.0	6.5	32	7	4	3.0	6.0
19	*153			10.0	16.0	125	8	8	10.0	17.0	102	8	16	8.0	16.5	78	14	8	7.0	13.5	61	7	17	6.5	11.5	56	8	10	4.5	10.0	45	6	4	4.0	7.5	32	7	5	3.5	5.5
20	154	2	4	9.0	14.0	125	6	4	9.5	18.0	100	9	4	10.0	18.0	82	14	6	6.0	12.5	58	12	9	6.0	12.0	56	6	6	5.0	10.0	45	6	4	4.5	7.0	29	6	4	4.0	6.5
21	*154			8.0	12.5	127	4	6	9.5	16.0	102	8	10	9.0	16.5	84	14	9	7.0	16.5	59	10	9	5.0	11.5	56	6	6	5.5	11.0	45	4	4	4.5	8.0	27	6	2	2.5	4.5
22	154	5	2	10.0	15.5	127	6	6	10.0	17.0	103	8	9	8.0	15.0	88	0	13	7.0	15.0	59	12	9	5.5	12.0	58	6	8	5.5	9.5	45	6	4	4.0	7.0	27	4	2	1.5	3.5
23	154	4	2	7.0	11.0	127	10	4	9.0	15.0	102	10	6	10.0	17.0	84	16	8	7.5	15.0	60	11	12	6.0	11.0	56	8	11	5.5	10.5	45	6	4	5.0	7.5	25	8	0	*2.0	3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.545					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	156	2	4	6.5	11.0	131	2	8	*9.0	*16.5	104	6	4	*6.5	*14.0	84	10	8	8.0	16.0	60	8	9	*8.0	*14.0	54	7	7	*3.5	*8.0	38	6	4	*2.5	*6.0	25	2	2	*2.5	*3.0
01	156	2	4	7.0	10.5	129	6	6	7.5	14.0	106	6	8	*7.0	*13.5	84	10	8	7.5	14.0	58	10	8	*5.5	*11.0	53	6	6	*4.5	*8.0	38	4	4	*2.5	*5.0	25	2	4	*2.5	*3.5
02	156	4	4	*7.5	*12.5	131	4	8	*8.0	*15.0	106	6	8	*8.0	*15.0	82	12	6	8.0	14.5	60	8	10	*5.0	*10.5	53	6	6	*3.0	*6.0	38	4	4	*2.5	*6.0	25	2	4	*2.0	*3.5
03	156	2	4	*8.5	*13.0	129	4	6	*7.5	*13.5	104	6	8	*8.0	*14.0	82	10	8	8.5	15.5	58	9	8	6.5	12.0	55	4	8	*4.5	*8.0	38	4	6	*3.0	*6.0	25	1	4	*1.5	*3.0
04	156	4	4	*7.0	*12.0	129	4	6	*7.5	*12.5	98	5	4	*8.5	*15.5	76	12	4	10.0	16.0	59	11	5	*8.5	*14.0	51	8	6	*4.5	*7.5	34	4	2	*3.0	*5.5	25	0	4	*3.5	*5.0
05	156	2	4	*7.0	*12.0	125	6	8	*7.0	*12.0	92	8	4	*9.5	*15.5	56	12	6	7.0	12.5	52	12	11	5.0	10.0	51	6	6	*5.0	*8.5	34	2	2	*3.5	*5.0	25	2	4	*2.5	*5.0
06	154	4	2	*7.5	*13.0	119	10	6	*8.5	*14.0	76	18	10	*9.5	*19.0	43	20	3	3.5	6.0	38	14	10	*7.0	*14.5	37	8	4	*5.0	*8.5	31	5	5	*2.0	*5.0	25	4	4	*3.5	*5.0
07	152	6	4	*10.5	*15.5	115	12	9	9.0	16.0	76	23	18	*7.0	*9.0	44	18	4	5.5	5.5	22	16	3	*5.5	*8.0	23	18	6	8.5	11.5	28	6	6	*3.0	*5.0	25	4	4	*3.0	*5.0
08	152	5	4	*11.5	*17.0	115	12	10	12.0	19.5	76	22	13	*12.5	*20.0	44	24	4	5.0	7.0	22	12	4	*4.5	*8.0	29	2	12	*3.5	*6.5	24	8	6	*4.0	*6.0	25	4	4	2.0	3.0
09	152	5	4	*10.5	*17.0	115	9	11	13.0	20.0	72	26	14	*11.0	*14.5	50	11	8	4.0	6.0	24	10	6	*2.0	*4.0	29	8	14	*1.0	*11.0	23	7	5	*4.0	*7.0	25	2	4	*2.5	*4.0
10	152	2	6	*12.5	*19.0	115	12	10	*13.5	*20.5	74	24	12	*13.0	*15.5	50	11	6	3.0	5.0	22	8	4	*3.0	*6.0	25	10	12	*2.0	*5.0	22	8	4	*7.5	*8.5	23	5	4	*2.5	*3.5
11	152	4	7	*10.5	*16.5	119	6	12	*14.5	*22.0	81	23	19	*10.5	*16.0	50	13	10	4.0	5.5	23	15	5			25	11	11	*2.0	*3.0	24	7	9	*10.5	*14.5	23	6	4	*2.5	*4.0
12	152	4	6	*12.0	*18.0	119	8	11	*12.5	*18.5	82	17	16			50	10	6	3.0	5.0	21	12	3	*2.0	*4.5	33	4	16			22	16	11	*8.5	*7.0	23	8	4	*2.5	*3.5
13	154	4	8	*11.5	*18.5	121	10	12	9.5	16.5	84	24	19	*9.0	*15.0	51	28	9	3.5	6.0	18	21	0	*3.0	*5.0	35	2	16	*6.0	*7.0	25	9	7	*5.0	*8.0	25	6	2	*2.5	*3.5
14	153	5	8	10.5	17.5	119	13	9	9.0	16.5	84	30	22	*11.5	*17.5	52	40	13	2.5	4.5	22	15	4	*3.5	*6.0	29	10	12	*2.5	*5.0	28	8	16	*2.5	*5.0	25	4	4	*3.0	*5.5
15	154	5	7	*9.0	*16.0	119	11	10	*10.0	*17.0	*80			*12.5	*21.0	*50			4.0	8.0	23	24	5	*1.5	*4.0	29	12	10	*3.0	*6.0	*31					*29			*1.5	*3.0
16	*154			*10.0	*16.0	120	11	13	*10.0	*16.0	85	25	25	*6.5	*13.0	52	16	12	4.0	8.5	22	17	2			*33			*2.5	*5.0	34	4	5	*4.0	*5.5	28	5	5	*3.0	*5.5
17	155	5	7	*9.5	*16.0	121	11	13	8.0	14.0	90	19	22	*6.0	*13.0	58	15	9	7.0	12.5	36	3	12	*4.5	*8.5	40	7	6	*3.5	*8.0	38	4	4	*3.0	*7.5	29	6	4	*2.0	*4.5
18	154	3	6	9.5	14.0	123	8	12	*7.0	*13.0	102	9	16	*8.5	*16.0	74	13	7	5.5	13.0	50	12	12	*4.5	*10.0	49	9	8	*4.0	*8.5	40	4	6	*3.0	*6.5	29	6	4	*3.5	*6.5
19	156	2	6	9.0	15.0	127	6	7	8.5	15.5	105	8	12	8.0	15.5	84	10	8	6.0	13.0	58	9	11	*5.0	*10.5	53	8	4	*5.0	*9.0	42	4	6	3.5	6.0	29	6	4	4.0	7.0
20	156	4	6	8.5	15.0	129	7	6	*8.5	*15.0	106	10	10	*6.5	*14.0	86	9	9	6.5	12.0	60	10	10	5.0	11.0	56	7	6	*5.0	*9.0	41	7	5	*3.5	*6.0	27	4	2	*3.5	*5.5
21	156	4	6	7.5	14.5	129	4	6	*7.5	*14.5	106	6	10	*7.0	*14.0	86	10	6	3.5	9.0	61	10	9	5.0	11.0	56	6	7	*4.0	*9.0	40	6	5	*4.0	*6.0	27	4	2	*2.0	*4.0
22	156	4	6	8.0	13.0	129	4	6	8.0	14.0	104	8	8	*7.5	*15.0	86	10	8	6.0	12.5	59	8	7	7.0	14.5	55	8	4	*4.5	*10.0	42	4	6	*4.5	*8.0	27	2	4	*1.0	*2.5
23	156	2	4	*7.5	*11.5	131	4	6	7.0	14.5	106	4	8	8.0	14.0	86	9	10	5.5	11.0	60	9	7	*4.5	*11.0	55	5	6	*5.0	*9.0	40	7	6	*3.0	*6.0	27	2	4	*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 Cook, Australia Lat. 30.6 S Long. 130.4 E Month November 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	158	5	4	7.0	11.5	132	7	6	7.5	14.0	109	9	9	8.0	13.0	87	7	7	10.0	16.0	62	6	8	9.5	13.0	55	6	6	*9.5	*10.0	47	2	4	4.5	5.5	24	2	2	*2.0	*3.5
01	158	4	4	8.5	13.0	132	6	4	8.0	14.0	108	8	5	6.0	13.0	86	9	7	5.0	10.0	60	6	6	8.0	11.5	55	5	4	*6.5	*10.0	45	6	2	9.5	9.5	24	2	2	*2.5	*4.0
02	158	3	2	7.0	12.0	134	4	5	13.0	16.0	108	9	6	6.5	13.5	82	11	4	8.0	14.5	60	4	6	6.0	10.0	56	3	7	*5.5	*8.5	45	6	4	6.5	7.5	24	2	2	*2.0	*4.5
03	158	4	3	12.0	14.5	132	6	3	8.0	15.0	108	9	5	7.5	14.0	80	12	4	5.0	11.0	59	5	7	7.5	14.0	55	4	6	*6.0	*9.5	45	4	6			22	1	3	*4.5	*4.5
04	158	4	3	8.5	14.0	130	6	2	13.5	15.0	106	4	5	12.0	16.0	76	10	8	9.0	16.0	58	8	5	6.0	9.5	53	6	4	*6.0	*8.5	43	4	5	5.5	7.0	22	1	2	*1.0	*3.5
05	158	2	4	10.0	15.0	124	6	6	9.0	15.5	86	10	2	20.0	22.5	52	22	6			54	6	5	10.0	13.0	51	4	4	*7.0	*8.0	41	4	2	4.5	6.5	24	2	4	*3.0	*5.0
06	154	4	2	15.0	16.0	120	8	6	11.5	18.0	79	27	13	9.5	16.0	52	21	8	13.0	15.0	35	15	7	6.5	11.0	35	10	6	*6.0	*9.0	37	4	3	5.0	5.5	23	3	3	*1.5	*3.5
07	154	4	3	10.5	16.0	116	22	4	9.0	16.5	78	27	10	11.0	20.0	50	24	8	15.5	19.0	24	12	4			25	12	6	*3.0	*4.0	31	8	4	2.5	4.5	22	1	2	*4.0	*5.0
08	154	5	4	14.5	16.0	118	14	6	15.5	20.0	78	29	6	9.0	15.0	55	15	14			22	4	2	6.0	8.0	27	10	8	*2.5	*4.0	29	8	4	2.5	3.5	22	2	2	*2.0	*4.0
09	154	6	4	12.0	19.0	119	11	5	13.5	19.5	83	25	12	9.0	17.0	55	11	10	6.0	8.0	22	7	2	2.0	4.0	25	12	7	*3.0	*5.0	29	8	8	3.5	4.0	22	2	2	*2.5	*3.5
10	154	4	4	13.0	20.0	120	14	6	14.0	19.5	82	19	12	11.0	15.0	53	13	7	4.5	11.5	22	8	2	3.0	4.5	27	8	11	*5.0	*6.0	28	12	9	3.0	5.0	22	2	4	*2.0	*3.5
11	154	6	4	13.0	18.0	122	12	6	12.5	18.0	88	14	18			55	11	7	4.5	11.0	24	10	4	1.5	3.0	29	6	12	*3.0	*5.0	29	13	11	5.0	7.5	22	2	4	*2.5	*3.5
12	154	6	2			126	8	6	4.5	10.0	90	18	16	8.5	10.5	55	11	15	7.5	10.0	22	11	2	3.0	4.0	28	9	12	*2.0	*4.0	29	10	10	4.0	6.0	22	2	5	*2.5	*4.0
13	156	6	4	11.5	18.0	127	8	7	9.0	14.0	90	21	12	4.5	11.0	56	17	8	6.0	6.5	22	14	2	6.0	10.0	25	10	9	*5.0	*6.0	29	8	6	4.5	5.0	24	2	4	*3.5	*5.0
14	158	6	5	8.5	14.0	130	7	10	7.0	11.0	92	17	10	9.5	11.5	55	18	7			22	12	2	2.0	7.0	27	8	6	*4.0	*4.5	33	8	10	4.0	6.0	26	4	4	*3.0	*6.0
15	159	5	7	8.0	12.0	128	9	6	6.5	12.0	*92					*56			12.0	14.5	22	9	2	2.0	4.0	26	13	9	*4.5	*9.0	*36					*28			*2.0	*4.0
16	*156			11.0	16.0	125	10	9			91	15	13	9.0	12.0	53	27	10	8.0	14.5	*22			2.0	4.0	*33					39	6	8	6.0	7.0	28	4	4	*5.5	*6.0
17	158	6	4	14.0	17.0	125	9	9	8.0	13.0	92	16	16	11.0	18.5	56	19	11	4.5	7.0	31	13	8	3.0	5.5	41	6	8	*3.0	*6.0	43	6	4	2.0	4.5	26	6	2	*4.0	*6.0
18	155	9	3	12.0	15.0	124	12	9	7.0	13.0	100	12	10	10.5	13.0	72	17	11			47	10	14	9.0	12.0	51	4	8	*3.5	*7.5	47	4	4	2.0	4.0	27	6	1	4.0	5.5
19	156	8	4	9.0	15.5	130	12	8	13.0	16.5	107	15	8	6.0	11.0	82	11	12	11.0	17.0	62	6	12	6.0	13.0	57	4	7	5.0	9.5	47	6	2	3.5	6.5	28	5	2	*3.0	*5.0
20	158	7	6	11.0	16.0	133	10	8	11.0	16.0	106	15	7	6.0	12.0	87	9	15	4.0	9.5	64	8	8	7.5	11.0	57	6	7	5.0	8.0	47	6	0	3.0	6.0	26	6	2	*3.0	*6.0
21	156	9	2	11.0	15.0	132	10	6	18.0	17.5	108	10	9	5.0	10.0	88	9	11	8.5	12.5	64	8	8	7.0	12.0	57	7	4	*4.5	*8.5	47	4	2	6.5	8.0	26	8	2	*4.0	*5.0
22	157	6	4	9.5	15.0	132	9	6	8.0	13.0	107	9	7	6.0	14.5	88	8	12	8.0	13.5	64	6	9	6.5	10.5	59	2	7	*8.0	*11.0	47	2	4	4.0	7.5	26	4	2	4.0	4.5
23	156	8	2	10.0	14.0	132	9	6	8.5	16.0	106	10	6	7.0	14.0	84	11	6	9.5	13.5	62	6	7	10.5	12.5	55	6	6	5.0	10.0	47	2	4	3.5	6.5	24	7	2	*4.5	*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 Cook, Australia Lat. 30.6 S Long. 130.4 E Month January 1959

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	160	6	6	10.5	16.0	135	8	2	10.0	17.5	113	5	7	8.5	17.5	92	5	8	7.0	17.5
01	160	5	6	10.0	15.0	137	5	4	10.5	17.0	113	5	5	9.0	16.5	89	8	5	8.0	15.0
02	160	4	3	9.5	15.5	135	6	3	10.5	18.5	111	8	4	10.0	18.0	88	9	7	8.5	17.0
03	160	3	5	10.5	15.5	135	7	4	10.5	19.0	111	6	5	10.5	18.5	86	10	12	9.5	17.5
04	159	3	4	11.0	17.5	134	5	5	11.0	19.0	109	7	6	10.5	19.0	84	9	9	9.0	18.5
05	158	4	2	11.0	17.0	130	6	5	11.5	20.0	97	11	7	12.5	22.5	64	18	9	2.5	5.0
06	158	2	4	12.0	19.0	125	7	4	12.0	19.0	83	22	9	11.5	18.0	56	16	2	2.0	4.5
07	154	6	2	12.5	20.5	119	13	3	13.5	21.0	85	20	10	13.5	19.5	56	14	2	2.5	5.0
08	154	7	2	13.0	21.0	119	11	6	15.0	23.0	83	21	10	14.0	23.0	56	10	4	2.5	5.5
09	154	6	2	14.0	22.5	123	5	8	15.0	25.0	83	17	8	14.0	23.0	54	17	2	2.0	5.0
10	154	6	4	15.0	23.0	122	9	9	16.0	26.5	83	21	8	14.5	23.0	54	10	5	2.0	5.0
11	154	4	4	15.0	23.0	123	7	8	15.0	25.0	83	16	8	14.0	21.0	54	6	4	2.0	4.5
12	154	8	4	14.0	22.0	123	12	8	13.0	23.5	89	15	14	12.0	21.0	54	8	6	2.0	5.0
13	156	6	6	14.0	22.5	127	10	8	13.0	22.0	91	14	13	11.0	19.0	54	21	6	3.0	6.0
14	157	7	5	11.5	20.0	129	8	8	11.0	18.0	95	17	13	9.5	17.5	54	30	4	2.5	5.0
15	158	8	4	10.0	17.0	131	9	7	8.0	16.0	101	14	12	8.0	18.0	60	10	12	2.0	4.0
16	160	6	6	9.0	14.5	131	8	6	8.0	15.0	100	16	9	8.0	14.5	61	32	10	2.5	5.0
17	160	6	4	9.0	16.0	129	10	4	6.5	14.0	100	16	7	8.0	14.5	56	24	6	4.0	6.0
18	160	6	4	9.5	16.0	129	10	2	8.0	15.0	99	16	6	6.5	11.5	64	14	8	4.5	8.0
19	158	6	4	9.5	17.0	133	8	8	9.0	16.0	109	10	6	7.0	13.0	81	5	5	5.0	11.0
20	160	8	5	10.0	16.5	137	4	6	8.5	15.0	114	5	7	6.5	12.0	89	8	9	5.5	10.5
21	160	6	6	9.0	17.0	137	4	6	8.5	16.5	115	4	8	7.0	13.5	88	11	6	5.0	10.0
22	160	7	4	9.0	16.5	139	3	8	9.0	17.0	115	2	8	7.0	13.0	90	6	6	7.0	13.5
23	160	5	4	10.5	16.5	137	6	4	10.0	18.5	113	6	6	8.0	16.0	91	6	7	7.5	15.0

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	64	10	6			59	6	5			46	5	2			24	4	2		
01	62	11	4			58	7	4			46	3	2			24	2	2		
02	64	9	7			58	6	4			46	2	2			22	2	2		
03	62	9	6			58	4	6			46	5	3			22	3	0		
04	62	6	6			58	3	4			46	2	2			22	2	0		
05	60	8	11			60	4	6			44	6	2			22	4	0		
06	42	10	0			42	8	4			40	8	2			22	6	0		
07	30	15	4			30	14	5			34	10	4			22	4	0		
08	28	4	6			28	8	4			28	7	6			22	2	0		
09	26	2	2			26	4	6			26	4	6			20	3	2		
10	22	6	3			26	4	10			22	7	4			20	4	2		
11	24	4	6			26	2	8			22	6	4			20	2	2		
12	22	4	4			24	2	8			20	6	2			20	2	2		
13	22	8	4			24	6	6			22	6	6			20	5	2		
14	20	13	2			22	8	7			24	6	6			22	4	2		
15	20	17	2			19	15	5			28	10	8			22	6	4		
16	24	32	6			27	7	9			26	8	8			22	4	2		
17	26	28	7			34	10	5			40	4	6			24	2	2		
18	42	11	10			44	6	8			44	4	2			24	2	4		
19	57	9	5			56	4	6			48	3	2			24	4	2		
20	66	6	6			62	2	10			48	2	4			24	6	2		
21	64	10	4			62	4	8			48	4	4			24	4	2		
22	65	8	6			60	6	7			48	4	4			24	4	3		
23	64	9	6			58	6	6			47	5	3			24	2	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

Corrected Tabulation for Technical Note No. 18
.051 and .545 values of V_{dm} and L_{dm} were interchanged.

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051 F_{om}	.051 D_u	.051 D_ℓ	.051 V_{dm}	.051 L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	.246 F_{om}	.246 D_u	.246 D_ℓ	.246 V_{dm}*	.246 L_{dm}*
00	122	4	6	10.0	15.5						83	18	7	8.0	13.0
01	122	5	7	10.5	16.0						83	12	6	9.0	16.0
02	122	4	8	11.0	18.0						84	8	7	7.5	14.0
03	120	6	7	11.0	17.5						83	6	6	9.5	17.0
04	120	4	8	10.5	17.0						75	6	8	10.0	15.5
05	116	4	8	11.0	19.0						69	6	8	5.0	9.0
06	113	7	5	10.0	17.0						*64				
07	112	6	8	12.5	20.0						*68				
08	114	6	6	9.5	18.0										
09	*114			*9.5	*17.0										
10	*114			*7.5	*16.0										
11	115	6	2	6.5	15.5										
12	114	10	2	10.5	18.0										
13	117	9	3	*6.0	*15.5										
14	116	7	4	7.0	15.0										
15	117	9	5	8.5	15.0						*62				
16	118	9	4	8.0	14.0										
17	118	8	4	9.0	15.5										
18	118	8	2	8.0	15.0										
19	120	6	4	6.5	12.0										
20	122	6	4	7.5	13.0										
21	122	5	6	8.5	13.5										
22	122	5	6	10.0	15.5										
23	120	5	4	8.0	13.0						*77			9.0	13.5

Hour (LST)	.545 F_{om}	.545 D_u	.545 D_ℓ	.545 V_{dm}	.545 L_{dm}	2.5 F_{om}	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}	2.5 L_{dm}
00	77	8	7	*7.0	*11.5	53	8	4	*6.0	*10.0
01	75	6	8	6.5	12.0	53	5	4	5.0	9.5
02	72	9	5	*6.0	*10.0	53	9	4	*6.0	*10.0
03	71	4	8	*6.0	*10.0	53	9	4	*5.0	*9.0
04	60	11	7			52	6	7	*7.0	*11.0
05	53	8	4	*2.0	*4.5	49	7	22	*6.0	*10.5
06	55	12	4	*2.5	*5.0	31	7	8	*4.0	*6.0
07	53	8	4	*3.5	*6.0	30	7	5	*4.0	*6.0
08	53	14	2	*3.0	*6.5	29	4	4	5.5	8.0
09	*53					*30			*2.5	*4.5
10	51	8	2	*3.5	*6.0	*31				
11	53	6	4	*3.0	*5.5	29	4	5	*4.0	*6.0
12	53	6	4	*0.5	*0.5	*33			*6.0	*7.0
13	51	7	1	*5.5	*7.5	*35			*3.0	*4.0
14	51	8	2	*3.0	*5.5	36	3	9	*5.5	*7.0
15	52	7	3	*3.5	*5.5	36	7	5	*7.5	*3.0
16	55	9	4	*4.5	*6.5	39	8	8	*4.0	*5.0
17	59	12	4	*4.0	*8.5	41	4	11	*3.0	*4.5
18	69	12	10	*3.0	*5.0	45	6	4	*4.0	*5.0
19	77	12	10	*4.0	*7.0	51	8	6	*4.0	*6.5
20	77	12	10	*3.5	*7.5	55	6	10	*4.0	*7.0
21	81	12	8	*5.5	*9.0	55	8	8	*4.5	*7.5
22	84	7	11	*5.0	*8.0	55	6	6	*3.5	*6.0
23	79	6	6	*2.0	*5.0	54	6	3	5.0	7.5

Hour (LST)	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	54	5	6	5.5	9.5	40	2	5	4.0	7.0	20	0	2	1.0	3.0
01	53	5	3	5.0	8.0	40	2	8	3.0	5.5	18	2	0	1.5	3.0
02	54	4	4	5.0	8.0	38	4	4	5.0	8.0	18	2	0	1.5	3.0
03	53	6	6	4.0	7.5	38	6	7	4.0	6.0	18	2	0	3.0	4.0
04	52	5	4	6.0	9.5	38	7	6	5.5	8.0	18	2	0	2.0	3.0
05	46	8	12	5.0	8.5	38	6	6			18	2	0	1.5	3.0
06	40	6	14	5.5	8.5	40	8	6	3.0	6.0	21	5	3		
07	30	12	7	3.0	6.0	40	11	8			*22			3.0	5.0
08	26	17	4	5.0	7.0	36	5	4	5.5	8.0	*24			3.5	5.0
09	*32					*34					*24				
10	*24			1.5	3.5	34	12	6	5.5	10.0	*26			2.0	5.0
11	22	12	4	5.0	6.5	34	14	8			*24				
12	*20			4.0	6.0	*30					*26			3.0	5.5
13	24	8	4	5.0	7.5	*33					*28			3.5	6.0
14	26	10	8	5.0	7.5	38	7	7	5.0	9.0	*29			3.0	5.0
15	30	8	10	5.0	7.0	44	7	8			28	6	4	2.0	5.0
16	34	7	10	4.5	7.0	44	7	6	5.0	8.0	*28			3.0	5.0
17	42	3	9	3.0	6.0	42	8	2			*29			2.5	4.5
18	49	7	6	5.5	8.5	46	7	5			*26			5.0	8.0
19	*53			5.0	8.0	45	7	4	4.0	6.5	*25			2.5	5.0
20	52	4	4	2.5	6.5	43	7	3			*24			3.5	5.0
21	54	2	6	4.0	8.5	44	10	4	5.0	8.0	20	4	0	2.0	3.5
22	54	2	6	6.0	9.0	45	3	8	3.0	6.0	20	0	0	0.5	2.0
23	53	5	5	5.0	9.0	41	7	5	4.0	6.5	20	1	0	1.0	2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

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	117	7	8	10.0	15.5						79	8	2	*8.0	*10.5	74	6	4		
01	115	6	4	9.5	16.5						80	6	3	8.0	14.5	71	6	3	5.0	8.5
02	115	10	8	10.5	16.0						81	4	6	8.0	14.0	70	11	5	6.5	11.0
03	115	8	8	9.5	15.5						79	6	10	9.5	16.5	68	8	4	3.5	7.5
04	114	7	5	*12.0	*19.0						76	8	9	*15.0	*20.5	70	8	6	5.5	9.0
05	111	6	6	13.0	20.5						71	6	5	*8.0	*12.0	58	11	6	1.5	3.0
06	107	6	4	13.5	19.5						*60					58	4	4	4.5	6.5
07	107	6	6	*14.0	*20.0						*67					56	4	4	4.0	6.0
08	107	4	4	9.0	18.0											54	6	4	4.0	5.5
09	107	4	10	*10.0	*17.0						*71					*54			2.0	5.0
10	*107			*8.0	*18.5						*66					*52			3.5	5.5
11	*107			*9.5	*19.0						*69					*53				
12	109	5	4	*7.5	*16.0											52	6	2	4.0	6.0
13	111	3	6	*7.5	*15.0											54	6	4	6.0	8.0
14	112	3	7	*8.0	*15.0											52	8	3	3.0	5.0
15	113	4	8	8.5	14.0						*61			*5.5	*7.5	54	7	4	2.5	5.0
16	113	4	6	8.0	16.5											59	10	5	2.0	4.5
17	114	5	5	7.5	15.0											73	10	6	4.5	8.0
18	115	4	4	*6.5	*13.0											78	16	11	6.0	9.0
19	117	6	6	6.5	13.5											80	16	11	6.0	9.5
20	117	6	10	*9.5	*15.0											82	11	9	4.5	8.0
21	117	6	6	*9.5	*15.0											82	7	8	4.0	8.5
22	117	6	6	8.0	13.5											84	11	7		
23	117	8	6	*9.5	*14.5						*80			*9.0	*13.0	78	8	4	3.5	7.5

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	53	6	8	*5.0	*8.5	50	6	6	6.0	9.0	33	12	6	3.5	5.0	20	2	2	3.5	4.5
01	53	4	6	*6.5	*10.5	52	6	8	6.0	10.0	33	10	4	3.0	5.0	20	1	2	2.0	3.5
02	53	6	4	6.0	10.0	50	9	7	5.0	8.0	33	8	4	3.0	4.5	20	1	2	2.0	3.0
03	51	8	4	7.0	12.0	50	8	6	6.5	11.0	31	9	4	4.0	6.0	20	2	2	0.5	2.0
04	51	8	8	*6.5	*12.5	50	7	10	5.5	9.5	33	10	6	*3.0	*5.0	20	1	2	2.0	3.5
05	49	6	9	8.0	12.0	50	8	6	7.0	11.0	34	7	5	*3.5	*5.5	20	2	2	2.0	3.0
06	41	8	10	*6.5	*9.0	44	7	6	7.0	10.5	37	12	8			20	6	2	1.0	2.5
07	31	8	6	*5.0	*8.0	36	6	6	4.5	7.0	43	12	12	*6.0	*10.0	22	4	4	1.5	3.0
08	33	6	8	*5.5	*8.0	32	6	6	3.5	6.0	35	7	6	*5.0	*7.0	22	7	4	*2.0	*3.5
09	29	8	6	*5.0	*6.5	*30			6.5	9.0	*35					*20			*4.0	*5.0
10	*31			*2.0	*4.0	*28			7.0	9.0	*37					*24			*5.0	*6.5
11	*35			*4.0	*5.0	*26			5.0	6.5	*32			*5.0	*7.0	*24			*2.5	*4.0
12	33	10	6	*5.0	*7.5	26	7	10	3.5	5.5	34	7	7			*26			*3.0	*5.0
13	35	8	9	*2.0	*4.0	24	8	6	4.5	6.5	35	18	4			26	4	6	*2.5	*4.0
14	35	10	10	*3.5	*5.0	30	5	9	4.0	6.0	44	15	6	*2.0	*5.0	26	4	6	*3.0	*4.5
15	38	7	9	*3.0	*4.5	32	6	10	3.0	5.5	41	10	7	*5.0	*9.0	26	4	6	3.0	4.5
16	41	8	10	*4.0	*5.5	38	5	7	6.0	8.0	45	8	9	*6.0	*10.0	24	6	4	*3.0	*4.5
17	45	6	8	*3.5	*6.0	48	14	9	6.5	11.0	44	16	6			25	5	5	2.5	5.0
18	47	9	6	4.0	8.0	52	6	4	7.5	12.0	45	4	8	*5.0	*8.0	23	5	3	3.0	5.0
19	51	6	8	5.0	8.0	52	5	4	6.0	9.0	43	6	8	5.5	8.0	22	4	2	1.0	2.5
20	51	6	5	*4.0	*7.0	54	2	8	6.0	10.0	41	6	6	*4.5	*7.0	22	2	2	1.0	2.5
21	53	4	6	*5.0	*9.0	52	6	8	6.0	8.5	36	7	5	*3.5	*5.0	21	1	1	1.0	2.5
22	53	4	8	5.5	8.5	52	5	4	7.0	10.5	35	8	4	*4.0	*6.0	20	2	2	1.5	3.0
23	53	4	10	6.0	10.0	52	8	8	7.5	11.0	34	9	5	2.0	4.0	20	2	2	2.0	3.5

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

**Interference Kalungborg Broadcast Station at 0800, 1200 to 1600, and 1800 to 2300.

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{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}
00	153	2	3	9.5	15.5	116	8	4	*6.5	*10.0	96	10	8	7.5	14.0	70	23	9	4.0	8.0	47	8	10	*6.5	*9.0	46	10	2	*4.0	*6.5	30	4	3	2.0	3.5	18	0	4	1.5	3.0
01	153	2	4	9.0	16.0	118	6	6	8.5	13.0	100	6	8			69	18	10	5.0	9.0	45	10	7	*4.5	*8.0	48	6	13	5.5	10.0	30	8	4	1.5	3.0	17	1	3	1.0	2.5
02	153	1	4	10.0	16.0	116	8	2	8.5	13.5	100	8	8			67	15	10	4.0	7.0	45	6	10	5.0	9.0	46	6	10	5.0	8.0	30	8	6	1.5	3.5	18	0	4	1.0	2.5
03	151	2	2	10.5	16.5	116	6	4	9.0	14.0	96	12	6			65	20	10	6.0	8.0	45	7	11	*6.0	*9.0	46	6	12	*5.0	*8.0	30	7	4	1.5	3.0	18	0	4	1.0	2.5
04	151	4	2	10.0	16.5	114	10	4	*11.0	*18.5	98	12	10	2.5	6.5	57	22	6	3.0	6.0	43	8	10	*8.5	*11.5	46	4	12	*5.0	*7.5	30	6	2	*1.5	*2.5	18	0	2	0.5	2.0
05	153	2	2	11.0	18.0	114	6	6	*9.5	*16.0	102	5	9	4.5	7.5	59	10	7	5.5	10.5	41	6	10	*3.5	*6.0	46	4	7	*5.5	*7.5	32	8	2	*3.0	*4.0	18	0	2	1.5	3.0
06	151	2	2	11.0	18.0	111	7	7	*11.0	*17.0	95	9	9	5.5	9.0	56	9	3	2.0	3.0	39	8	6	*7.0	*11.0	44	7	7	5.5	8.0	36	24	6			18	4	2	*1.0	*2.5
07	151	4	3	11.0	17.5	108	8	4	*11.0	*16.5	90	10	4	2.0	5.0	57	6	4	2.5	4.5	36	7	7	*9.5	*12.0	42	7	13	*5.0	*7.0	43	23	10	*7.0	*3.0	20	4	4	2.0	3.0
08	149	4	2	12.0	18.0	112	6	10	*8.5	*14.0	92	4	6	4.0	8.0	57	6	5	3.5	6.0	33	4	4	5.5	7.0	36	8	12	*6.0	*8.5	35	22	8	*3.0	*5.0	20	6	4	*2.0	*3.5
09	147	6	2	*13.0	*19.5	*111			*7.0	*13.0	88	8	8	3.5	7.5	*55					33	4	7	*5.0	*7.5	26	4	8	*5.0	*8.0	*36					*20			*1.5	*3.5
10	*145			*13.5	*20.0	112	6	12	*8.5	*15.5	88	8	6	5.5	10.0	*55					*31			*4.0	*5.5	*22			*6.5	*9.0	32	8	10			*20			*5.0	*7.0
11	*147			*13.0	*20.0	*111			*9.5	*16.5	*89					*55			2.0	4.5	*33			*4.0	*5.5	*20			*4.0	*6.0	*31			*1.0	*3.0	*21			*3.0	*5.0
12	*148			*10.0	*15.0	*108			*9.0	*14.5	*88			7.5	12.0	*55			0.5	4.0	*33			2.0	4.0	*20			*4.5	*6.0	*34					*22			*3.0	*5.0
13	*147			*11.0	*17.0	111	6	15	*9.0	*15.0	88	6	6			55	6	5	3.0	5.0	37	2	9	*1.0	*2.5	23	10	5	*5.0	*7.5	38	14	14			26	0	9	*3.5	*5.5
14	149	4	4	*8.0	*13.0	112	6	14	*11.0	*17.0	87	7	5	4.0	7.5	57	14	4	4.0	7.0	36	3	7	*5.0	*6.5	30	6	9	*5.0	*7.5	46	11	11	*11.5	*18.0	22	4	5	*3.0	*4.0
15	149	4	4	8.5	13.0	114	4	16	9.0	15.0	88	6	8	4.5	9.0	59	14	6	4.0	6.0	37	4	8	4.0	6.0	38	6	8	*8.0	*12.5	44	16	5	*3.5	*5.5	22	4	5	*4.0	*6.0
16	149	4	4	8.0	12.5	117	5	13	7.5	14.5	90	6	4	4.0	9.0	61	14	6	1.0	3.0	37	7	8	3.5	5.0	44	4	9	*6.0	*9.0	53	16	14	*2.0	*4.5	20	6	4	1.5	3.5
17	151	2	6	8.0	12.5	120	4	14	7.0	14.5	92	6	6	3.5	9.0	61	14	6	3.0	4.5	37	6	8	*4.0	*6.5	46	13	11	*4.5	*9.0	44	16	8	*6.0	*9.0	18	4	2	2.0	3.0
18	151	4	4	7.5	12.0	120	6	12	*6.5	*12.0	94	6	4	2.0	6.0	65	16	6	2.5	5.0	41	6	9	*4.5	*7.0	50	6	9	*6.0	*9.5	46	20	12	*10.0	*16.0	18	0	2	1.0	2.5
19	151	4	4	7.5	12.5	120	6	10	*7.0	*13.0	96	8	4	5.0	9.0	66	19	9	2.5	5.0	41	8	5	*4.5	*6.0	48	9	5			37	13	7	*4.0	*6.5	18	0	2	2.0	3.5
20	151	4	2	7.5	12.5	120	6	10	8.0	13.0	98	9	6	3.5	7.5	63	22	4	3.0	6.0	45	8	10	*5.0	*8.0	48	10	4	*5.5	*10.0	30	9	2	3.0	4.5	18	0	2	1.0	2.5
21	151	4	2	8.0	12.5	118	6	8	7.0	13.0	100	8	8	5.0	9.5	65	29	8	4.0	8.0	49	6	10	*4.5	*6.5	46	8	4	*7.0	*10.0	30	3	2	2.0	3.0	18	0	2	1.0	2.5
22	153	4	4	8.0	14.0	119	5	7	7.5	13.0	98	4	8	4.0	8.0	68	23	7	4.0	7.0	46	9	9	5.0	9.0	48	4	6	5.0	9.0	30	4	0	3.0	4.5	18	0	4	1.5	3.0
23	153	4	2	8.0	14.0	118	6	6	*7.0	*11.0	98	6	6	5.5	9.5	67	26	8	5.5	9.0	47	9	6	*4.5	*7.0	46	10	2	4.0	7.5	30	4	3	1.5	3.0	18	0	4	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.135					.500					2.5				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	110	8	5			85	6	7			69	7	7		
01	110	7	7			84	8	6			70	6	8		
02	110	7	7			84	8	8			69	7	7		
03	109	8	5			83	7	8			69	7	7		
04	108	8	4			80	9	6			69	7	7		
05	106	8	6			74	11	5			65	6	7		
06	97	17	8			62	12	7			38	19	4		
07	96	16	8			61	12	5			35	9	6		
08	94	15	6			57	12	4			27	5	3		
09	94	14	6			57	9	3			27	3	4		
10	95	13	7			57	6	2			26	4	2		
11	96	11	8			58	7	2			26	7	1		
12	100	9	11			63	18	4			31	16	2		
13	101	21	11			64	34	5			32	36	3		
14	103	21	13			67	31	8			33	30	3		
15	102	26	12			65	38	5			32	38	2		
16	105	21	14			64	38	7			34	33	3		
17	103	26	10			63	41	7			42	30	10		
18	103	25	6			64	37	6			57	13	14		
19	109	19	6			75	28	7			66	12	4		
20	110	17	5			79	25	5			68	11	7		
21	110	13	5			82	16	5			68	11	6		
22	111	11	4			86	8	8			69	9	6		
23	110	9	4			87	7	9			69	7	6		

Hour (LST)	5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	63	5	4			49	5	6			23	1	1		
01	63	6	3			49	5	7			22	1	1		
02	64	5	4			47	4	6			22	1	1		
03	63	6	3			45	4	4			22	0	1		
04	61	4	4			44	3	7			21	1	0		
05	61	4	6			43	4	7			22	0	1		
06	51	9	12			42	5	3			22	1	1		
07	37	12	8			40	6	4			24	2	3		
08	32	7	5			40	5	6			27	2	2		
09	28	4	2			37	5	4			27	1	4		
10	27	3	2			36	5	5			25	3	2		
11	27	3	2			35	5	5			25	3	2		
12	31	12	3			35	7	4			24	2	3		
13	32	22	4			37	10	5			24	4	2		
14	33	20	4			41	8	4			25	4	2		
15	37	24	7			43	8	4			27	5	3		
16	41	16	9			47	8	5			28	3	2		
17	51	13	12			49	8	3			29	3	3		
18	58	7	9			53	5	5			28	4	2		
19	62	6	3			53	4	5			28	4	4		
20	65	6	4			53	4	6			26	4	2		
21	65	6	3			52	5	6			24	3	1		
22	65	4	4			51	5	6			24	3	2		
23	64	4	4			50	5	6			23	1	1		

Hour (LST)										
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00										
01										
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.135					.500					2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	109	7	7			85	8	10			67	8	9			62	6	2			47	5	5			22	0	1											
01	108	9	4			85	9	8			67	9	7			62	5	2			47	4	4			22	0	1											
02	107	10	2			85	10	6			67	10	7			62	6	4			45	5	4			22	0	1											
03	108	8	3			84	9	8			68	9	8			62	6	5			43	8	3			22	0	1											
04	107	8	4			80	9	7			64	8	9			60	7	4			41	8	2			21	1	0											
05	107	7	8			77	8	9			62	8	11			61	6	7			41	9	3			21	1	0											
06	100	11	10			60	14	5			47	10	16			57	5	11			42	7	3			22	1	2											
07	97	13	9			56	14	3			33	12	6			43	10	12			43	6	6			22	2	1											
08	95	12	7			56	11	3			29	11	5			34	8	7			40	7	4			26	3	2											
09	94	13	7			57	10	2			27	8	3			30	10	4			38	6	3			26	4	1											
10	92	10	4			57	4	2			27	5	3			28	7	2			37	5	4			26	3	2											
11	92	14	4			58	5	3			27	4	2			27	4	2			37	5	3			26	3	2											
12	93	14	5			58	7	3			32	4	3			25	5	1			39	7	3			24	3	2											
13	94	13	5			58	7	2			32	4	3			27	6	2			41	7	4			25	4	3											
14	96	13	7			59	14	2			33	6	4			28	10	4			42	8	4			26	4	3											
15	97	12	7			59	12	2			33	9	4			34	8	8			45	8	5			27	3	2											
16	96	13	5			59	10	4			36	10	4			43	14	8			46	8	4			27	3	2											
17	101	8	10			57	18	2			45	14	9			54	8	14			50	6	5			28	2	2											
18	105	7	6			71	14	12			60	7	12			59	5	11			51	5	4			27	3	2											
19	107	7	5			77	11	11			63	7	12			62	5	9			51	5	3			25	3	1											
20	108	6	5			82	11	9			66	6	10			63	6	6			51	3	4			24	4	2											
21	108	8	6			83	9	9			66	8	9			62	8	4			50	4	4			23	3	1											
22	109	8	7			85	8	10			67	8	10			62	7	1			49	3	4			23	1	2											
23	109	8	6			85	7	11			66	9	8			62	6	2			49	3	5			22	1	1											

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.135					.500					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	106	4	4			83	5	8			56	4	3			*56					41	3	2			21													
01	108	2	6			83	7	7			56	5	4			*56					41	2	2			21													
02	106	6	7			83	6	8			56	7	6			*57					40	3	3			21													
03	105	7	8			80	7	6			55	5	4			*58					40	3	4			21													
04	104	6	8			77	7	11			54	9	4			*55					41	0	4			21													
05	103	6	7			75	4	10			52	12	5			*55					40	2	3			22													
06	95	10	6			60	12	4			46	5	4			*51					39	4	1			22													
07	92	10	5			58	4	5			35	5	5			*43					41	3	3			22													
08	89	9	2			55	4	4			29	2	2			29	7	4			*41					26													
09	89	10	2			55	5	4			28	3	4			27	3	3			*39					26													
10	89	8	3			55	6	4			29	2	4			25	3	2			38	3	4			26													
11	90	6	5			56	5	5			29	1	2			25	2	1			38	2	4			26													
12	90	7	4			56	4	2			29	1	2			25	2	2			34	2	5			24													
13	90	6	3			56	5	2			29	1	2			25	2	1			34	3	6			24													
14	*90					*56					*29					*27					*37					24													
15	*90					*55					*29					*30					*39					24													
16	*91					*59					*35					*42					*45					27													
17	*93					*62					*43					*48					*49					27													
18	*97					*73					*50					*52					*49					25													
19	*99					*77					*53					*55					*49					24													
20	*100					*79					*55					*56					*45					23													
21	*100					*80					*56					*56					*44					22													
22	*102					*82					*56					*56					*43					22													
23	*104					*82					*56					*57					*43					22													

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: Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month: June 19 59

Frequency (Mc)

Hour (LST)	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.113 Fam	.113 Du	.113 Dℓ	.113 Vdm	.113 Ldm
00	142	6	8	7.0	11.0	129	7	7	7.0	14.0
01	140	6	8	*7.0	*12.5	128	8	10	6.0	12.0
02	138	8	5	8.5	15.0	126	7	6	*7.0	*13.0
03	138	7	4	10.0	16.5	126	5	11	9.0	15.0
04	138	6	8	*9.5	*17.0	126	5	12	*9.0	*18.0
05	132	11	6	*13.5	*20.0	118	12	11	*13.5	*24.0
06	132	12	14	*10.0	*19.0	118	14	22	*15.0	*25.0
07	126	18	12	*13.0	*23.0	114	17	18	*10.0	*20.0
08	128	16	15			112	20	18	*12.0	*22.5
09	131	13	17	*7.0	14.5	109	23	15	*17.5	*26.5
10	128	12	10	*12.0	20.0	108	16	16	*15.0	*25.0
11	130	8	11	*11.0	17.0	112	10	19	*15.0	*22.0
12	132	6	10	*12.0	18.0	116	9	11	*13.0	*20.0
13	134	4	8	10.0	15.0	117	10	11	*9.5	*17.0
14	136	8	8	*8.0	*13.0	120	14	7	*11.0	*15.5
15	138	10	4	9.0	13.5	124	12	8	9.0	14.0
16	140	9	4	*7.5	*12.0	126	12	6	8.0	14.0
17	140	10	4	*7.0	*10.5	126	10	6	8.0	12.0
18	142	4	6	*7.0	*11.5	128	5	6	7.0	11.5
19	142	4	4	*7.0	*12.0	128	5	4	6.0	12.0
20	142	4	4	7.0	11.5	128	4	5	5.5	10.0
21	142	5	7	6.0	10.5	130	4	6	*4.5	*8.0
22	142	8	6	7.0	11.5	130	6	9	6.0	11.5
23	142	6	4	7.0	13.0	130	5	6	6.0	12.5

Hour (LST)	.246 Fam	.246 Du	.246 Dℓ	.246 Vdm	.246 Ldm	.545 Fam	.545 Du	.545 Dℓ	.545 Vdm	.545 Ldm
00	115	13	7	7.0	11.5	95	10	11	7.0	12.0
01	115	8	11	*7.0	*14.0	93	10	10	6.5	14.0
02	113	8	10	*6.0	*10.5	93	11	10	*8.0	*15.0
03	111	10	9	*8.5	*16.0	91	11	10	*8.5	*15.5
04	113	6	13	*9.0	*19.0	90	9	10	*13.0	*20.0
05	99	14	7	*12.0	*18.5	76	17	18	*12.5	*24.0
06	105	10	24	*12.0	*19.5	73	27	19	*12.5	*25.0
07	99	17	20	*12.0	*22.5	68	29	15		
08	96	13	19	*11.0	*21.5	71	20	14		
09	92	22	20	*10.0	*20.0	63	29	12		
10	*92					67	14	12		
11	*97			*14.5	25.0	73	13	18		
12	95	12	6	*14.0	24.0	71	18	10	*11.0	*20.0
13	99	17	7	*9.0	14.5	79	23	15	*9.0	*16.0
14	101	24	6	*9.5	16.5	79	20	8	*10.0	*17.5
15	109	13	9	*10.0	17.5	89	21	11	*11.5	*20.5
16	112	12	13	*8.5	14.0	91	20	17	*11.0	18.5
17	111	11	11	7.5	13.5	89	11	10	7.0	12.0
18	109	10	3	6.0	10.0	95	6	6	7.0	12.5
19	111	8	3	6.0	10.5	97	5	8	6.0	11.0
20	115	6	6	*4.5	*8.0	99	6	10	5.0	8.5
21	117	1	10	*4.0	*8.0	99	4	12	4.5	9.0
22	115	7	6	*4.0	*8.0	97	7	9	6.0	10.0
23	117	6	10	*5.5	*10.0	97	7	10	6.5	12.0

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
00	70	4	6	*5.0	*8.5	59	5	7	*3.5	*6.5
01	68	6	11	*6.0	*12.0	59	4	9	*5.5	*8.0
02	66	6	10	*6.5	*11.5	55	8	6	*4.0	*8.0
03	65	7	11	*3.5	*7.5	56	5	8	6.0	10.0
04	64	7	12	*6.5	*11.0	57	3	10	*5.0	*9.0
05	60	6	16	*6.0	*11.0	55	4	7	*5.0	*8.5
06	50	18	16	*10.0	*16.0	51	8	9	*5.0	*9.5
07	42	16	13	*10.0	*13.5	48	8	15	*10.0	*14.0
08	36	22	6	*6.5	*10.5	37	8	14	*10.0	*16.0
09	36	21	9	*16.0	*19.0	33	13	13	*10.5	*16.5
10	38	15	12	*7.5	*11.5	35	6	18	*6.5	*10.0
11	38	10	6	*6.5	*8.5	*29			*5.5	*7.0
12	41	15	5	*8.5	*13.0	*31			*16.5	*19.5
13	38	16	4	*10.0	*22.5	31	12	2	*8.5	*10.0
14	40	31	8	*9.5	*17.0	37	13	6	*10.0	*15.0
15	48	24	14	*12.5	*20.0	46	13	10	*8.0	*12.5
16	54	18	14	*8.0	*13.5	53	9	5	6.0	9.5
17	61	13	13	*5.0	*8.5	59	5	10	*4.0	*6.5
18	70	2	10	*3.0	*5.0	63	5	8	*4.5	*7.5
19	72	4	6	3.5	6.5	63	4	4	*3.5	*7.0
20	72	2	6	*3.0	*6.5	63	4	11	*2.0	*6.5
21	72	4	8	*3.5	*6.5	63	4	6	*3.0	*5.5
22	70	6	6	3.0	6.0	61	4	7	3.5	6.5
23	72	2	8	3.5	7.0	59	6	4	3.5	7.5

Hour (LST)	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm*	20 Ldm*
00	40	8	8	*2.0	*5.0	30	0	6	4.0	8.0
01	38	6	7	*5.0	*7.5	28	9	2	5.5	11.0
02	40	4	9	3.5	6.5	28	2	2	2.0	3.0
03	40	3	8	*4.0	*7.0	26	4	0	1.5	3.0
04	40	4	5	*4.0	*7.5	26	6	0		
05	40	4	7	*5.0	*8.5	27	5	3	2.0	4.0
06	40	3	7	*4.5	*9.0	30	2	4		
07	36	9	10	*6.0	*10.0	28	4	2		
08	33	5	14	*6.0	*8.0	26	6	2		
09	32	6	12	*9.5	*14.5	*26			6.0	6.5
10	28	8	11			*27				
11	30	10	10	*6.0	*8.0	*26				
12	30	6	5	*8.0	*12.0	28	2	2		
13	34	8	4	*4.5	*8.0	30	5	2	6.5	9.5
14	40	6	5	*6.0	*10.0	32	4	2	5.5	11.0
15	44	5	6	*3.5	*7.5	32	4	1	8.5	11.0
16	48	4	2	*3.5	*6.5	34	2	2		
17	48	4	2	*3.5	*5.5	32	4	0	3.0	5.5
18	48	2	4	*3.5	*6.5	26	4	0	2.5	5.0
19	46	4	4	*4.0	*7.0	26	2	2	2.0	4.0
20	44	5	4	*3.0	*6.0	*26			2.0	3.0
21	42	7	4	*3.0	*6.0	28	4	2	2.0	3.0
22	42	4	5	*4.0	*6.0	28	4	4	2.0	3.5
23	40	7	5	*2.5	*5.0	*28			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

Power only published in Technical Note No. 18-3.

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month July 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	140	4	4	*8.0	*14.0	128	6	6	6.5	12.5	113	8	8	6.0	11.5	97	8	12	4.5	10.0	71	0	12	4.0	8.5	60	2	10	4.0	7.5	39	4	6	2.5	6.0	30	2	4		
01	140	4	6	7.5	14.5	128	2	6	*6.5	*12.5	111	8	4	*7.0	*14.0	97	6	8	6.0	12.0	68	5	9	5.0	9.0	58	4	10	*4.5	*8.0	39	6	8	3.5	7.0	30	10	2		
02	140	2	6	*8.0	*14.0	128	4	6	8.0	14.5	113	6	6	*7.0	*13.5	97	6	10	*7.0	*14.0	67	8	8	5.0	9.5	58	4	10	4.5	8.5	41	4	8	4.0	7.0	28	8	2		
03	140	2	8	*9.0	*15.5	128	2	10	*8.0	*16.0	113	4	10	*7.0	*15.0	95	6	10	*7.0	*16.0	65	6	10	5.0	10.0	56	4	8	4.0	8.5	41	4	8	4.0	7.5	28	6	0		
04	138	4	8	8.5	16.0	126	4	12	*8.0	*16.0	111	6	8	8.0	17.5	93	8	16	*11.0	*19.0	64	5	7	6.0	12.0	56	4	10	5.5	10.0	41	4	8	4.5	7.5	28	4	2		
05	136	4	10	*11.0	*16.5	117	9	9	*11.0	*19.0	94	15	14	*10.0	*17.5	77	12	16	*12.5	*11.0	59	8	12	*6.0	*13.0	56	4	8	*6.0	*11.0	41	4	8	*3.5	*7.0	32	6	4		
06	128	8	8	11.0	17.5	111	11	13	*12.0	*20.0	93	10	14	*10.5	*19.0	65	18	8	*16.0	*22.5	49	8	14	*10.0	*17.5	52	8	10	*8.5	*14.0	41	2	10	*5.0	*9.0	32	8	4		
07	126	10	6	*12.0	*22.0	108	18	8	*11.0	*18.0	89	18	16	*8.0	*20.0	67	14	12			39	11	10	*6.0	*8.5	46	6	10	*6.5	*11.0	35	6	8	*7.5	*12.0	34	6	6		
08	128	8	10	*13.0	*19.5	106	15	6	*13.0	*19.0	89	8	20	*13.0	*22.0	65	12	4			33	14	8			34	6	12	*10.5	*17.0	29	8	7	*9.0	*16.0	31	11	5		
09	124	10	8	*14.0	*23.0	108	13	8	*12.5	*19.0	85	8	10	*11.0	*19.0	67	8	6			37	8	9	*4.0	*6.5	34	5	8	*12.0	*15.5	29	7	8	*10.0	*16.0	30	9	7		
10	124	10	6	*13.5	*21.0	106	12	6	*11.0	*15.5	84	22	13			65	23	5			39	5	9	*11.5	*17.5	31	12	7	*16.0	*22.0	29	4	9	*8.5	*15.0	26	4	2		
11	126	11	9	*11.0	*18.0	109	12	10			87	13	12			69	16	6			35	8	4	*13.0	*18.0	30	11	6	*13.5	*21.5	33	0	9	*7.0	*10.5	30	3	4		
12	130	8	8	*10.5	*16.0	112	10	12	*9.0	*13.0	91	17	16	*11.0	*20.0	79	26	7			45	18	12			34	12	9	*14.5	*20.0	33	4	5	*8.5	*12.0	29	10	5		
13	134	8	8	*11.0	*14.5	122	8	18	*8.0	*12.5	103	15	11	*15.5	*27.0	83	16	18	*17.5	*28.0	41	19	6	*11.0	*20.0	38	14	10	*8.0	*13.5	39	2	6	*7.0	*12.0	30	9	4		
14	138	7	10	*9.5	*14.5	124	8	16	*13.0	*18.5	109	4	24	*11.0	*18.0	91	18	28	*12.5	*22.5	49	14	16	*12.5	*18.5	40	21	8	*14.0	*20.0	41	6	10	*5.5	*9.5	32	10	2		
15	140	6	12	*7.0	*12.0	128	6	16	*10.0	*15.0	113	14	28	*15.0	*22.0	93	18	26			53	22	16	*10.0	*16.0	50	14	10	*5.5	*10.0	45	4	12	*5.5	*9.0	34	6	6		
16	142	6	12	*6.0	*11.0	128	6	15	*9.5	*15.0	111	12	24	*11.0	*19.0	91	18	26	*10.5	*18.5	57	16	20	*8.5	*15.0	54	8	8	*7.0	*11.0	49	4	8	4.0	7.0	34	6	6		
17	141	8	10	*9.0	*14.0	130	9	18	*9.5	*16.5	111	15	22	*9.0	*16.0	91	19	16	*6.0	*11.0	59	14	16	*4.5	*9.0	60	2	6	*3.5	*7.0	49	4	4	3.5	7.0	32	6	2		
18	141	6	10	*6.0	*10.5	127	9	11	7.0	13.0	111	12	10	*5.0	*10.0	97	6	10	*4.0	*8.5	69	2	10	3.0	6.0	64	2	6	5.0	8.0	49	4	4	4.0	7.0	30	10	4		
19	142	4	7	5.0	10.5	128	6	6	*5.0	*11.0	111	8	6	*4.5	*9.0	97	6	11	*4.0	7.5	71	2	8	3.5	6.5	64	4	8	*3.5	*7.0	45	4	4	3.0	6.5	28	4	4		
20	142	4	5	*7.0	*13.0	128	6	6	5.5	11.0	111	8	6	*6.0	*11.0	99	3	7	4.5	9.5	73	0	10	2.5	6.0	64	2	8	*3.5	*6.5	43	8	6	3.0	7.0	28	4	2		
21	140	4	3	6.5	12.0	128	4	6	5.0	10.5	113	6	8	*5.0	*10.5	97	6	6	*4.0	*11.5	73	0	14	3.5	7.0	66	2	8	*4.0	7.5	43	6	10	3.5	6.0	30	4	4		
22	140	2	3	6.5	12.0	128	4	6	*5.5	*11.0	114	5	11	4.5	8.5	97	10	8	*4.0	*10.0	71	4	14	3.5	6.5	62	4	14	3.5	7.0	45	9	12	3.0	6.5	30	2	4		
23	140	2	4	*6.0	*11.5	128	4	6	6.5	12.5	113	8	6	*4.0	*9.0	97	8	8	*5.0	*10.0	70	3	7	4.0	7.5	60	2	8	4.0	7.5	41	6	8	3.0	6.0	30	4	4		

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

Power only published in Technical Note. No. 18-3.

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc) .013 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.051 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.160 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.495 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	2.5 F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	5 F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	10 F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	20 F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	154	3	2	10.5	17.0	131	5	6	11.5	20.0	106	8	6	11.5	20.0	83	12	5	11.5	20.5	56	8	8	8.0	12.0	58	5	7	6.5	12.0	43	4	3	1.5	3.0	24			2.0	3.5
01	156	4	4	10.5	18.0	131	5	3	12.0	18.0	108	7	4	13.0	20.0	81	14	3	*11.0	*22.0	54	9	8	8.0	12.5	60	5	10	4.0	8.0	41	2	4	2.5	4.0	23	3	1	3.0	4.0
02	156	3	4	11.5	18.5	131	6	2	12.0	20.0	108	7	7	12.0	21.5	83	11	9	11.5	21.0	56	8	10	9.5	14.5	64	5	13	6.0	11.5	41	3	6	3.0	6.0	22	4	0	1.0	3.0
03	156	4	4	12.5	20.5	133	5	4	13.0	21.5	108	8	7	*13.5	*21.5	83	10	7	*12.5	*23.0	56	9	5	8.5	12.5	66	6	14	5.5	9.0	39	5	5	6.0	9.0	22	1	2	1.5	3.0
04	154	4	1	13.0	20.0	133	4	3	*13.0	*21.5	108	5	7	12.5	22.0	82	8	10	11.5	22.5	58	7	13	9.0	14.0	54	12	6	6.0	9.0	38	7	3	2.5	4.0	20	2	0	2.0	3.0
05	156	2	3	13.0	20.5	133	2	5	11.5	19.0	106	6	6	11.5	20.0	81	6	4	13.5	22.5	56	8	10	8.5	13.0	52	4	7	6.5	12.0	37	7	5	3.0	4.0	20	2	0	2.0	3.5
06	156	2	2	12.5	21.0	131	1	4	*12.0	*19.5	98	4	8	12.5	19.0	65	10	8	*5.5	*9.0	56	6	12	8.5	12.0	54	3	5	5.0	8.5	39	3	8	4.0	7.0	22	2	2	1.5	3.0
07	153	1	1	12.0	18.5	121	7	3	11.5	20.0	74	13	7	*14.0	*21.0	55	15	6	*3.5	*5.0	42	6	4	4.5	6.0	38	9	6	6.0	10.0	35	7	3	5.0	8.0	22	2	3	2.5	4.0
08	152	2	3	12.5	19.0	113	7	6	14.0	21.5	74	10	15	*15.0	*23.0	53	20	6	*3.5	*5.5	38	4	4	2.0	3.0	26	7	4	4.0	6.0	27	10	7	3.0	5.5	22	2	4	3.0	5.0
09	150	3	2	12.0	19.0	107	12	4	12.0	19.0	70	21	9	*15.5	*25.0	51	26	5	*5.5	*8.5	34	8	2	2.0	3.0	24	8	5	2.0	3.0	17	18	4			20	3	2	2.0	4.0
10	150	3	2	12.0	17.5	111	10	7	15.0	23.0	68	24	4	*18.0	*29.0	53	20	2	*5.5	*6.5	34	3	2	2.0	3.5	24	6	6	2.0	4.0	15	18	6	1.0	2.5	18	2	2	4.0	5.5
11	152	2	2	12.0	18.0	112	13	7	14.0	22.0	76	10	15	*12.0	*22.5	51	22	4	5.0	6.5	30	5	1	2.0	3.0	22	5	4	3.0	4.5	13	10	4	4.0	6.0	18	0	3	2.0	4.0
12	150	4	2	12.0	18.0	113	4	6	*17.0	*25.0	71	15	9	*15.0	*28.5	51	7	5	*3.5	*5.0	32	4	3	1.5	3.0	22	3	4	3.0	4.0	14	16	5			18	6	2	2.0	4.0
13	150	4	2	13.0	20.0	113	12	8	16.0	25.0	74	31	13	*15.0	*25.5	51	31	3	*6.0	*12.5	32	5	2	2.0	3.5	22	4	4	3.0	4.0	13	14	4	2.0	3.5	20	5	2	3.0	5.0
14	150	6	2	13.0	20.5	113	6	8	15.0	24.0	72	33	14	*12.5	*23.5	55	19	10	*4.0	*6.0	30	7	1	3.0	4.0	23	5	4	4.0	6.0	12	19	3	1.5	2.5	22	4	2	3.0	5.0
15	150	3	4	14.5	21.5	113	7	6	*17.0	*24.5	68	44	8	*14.0	*26.0	54	29	7	*3.5	*5.5	32	12	3	2.0	3.5	22	9	4	4.0	6.0	17	18	5	2.0	3.0	23	7	1	2.0	4.0
16	149	5	3	15.0	22.0	111	7	7	14.5	23.0	68	37	10	*11.0	*17.0	53	29	6	*2.0	*4.0	34	7	6	3.0	5.0	24	9	8			25	11	4	3.0	5.0	26	2	4	3.5	5.0
17	150	5	4	14.0	22.0	107	10	4	14.5	20.5	67	31	6	*9.5	*15.0	53	24	6	4.0	5.0	32	8	2	2.5	4.0	26	7	6			35	6	5	2.0	4.0	26	2	2	2.0	4.0
18	150	4	4	13.0	20.0	110	6	4	10.5	16.5	82	20	5	9.5	15.0	59	26	7	5.0	8.0	34	12	4	1.5	3.0	36	7	4	3.0	5.0	39	4	3	2.5	4.0	26			3.0	5.0
19	148	3	2	11.5	18.5	117	14	4	9.0	16.0	92	21	6	8.0	13.5	69	23	10	*15.0	*27.0	44	14	5	5.0	8.0	45	9	7	5.0	7.5	41	2	5	2.5	4.5	26	0	4	3.0	5.0
20	150	8	2	11.0	17.5	121	14	5	10.0	16.0	97	23	7	11.0	22.5	75	15	6	13.0	23.5	50	11	7	8.0	11.5	48	9	6	4.5	8.0	41	3	4	3.5	6.0	26			3.5	5.0
21	152	6	2	11.0	17.5	121	15	2	12.0	19.5	98	19	6	12.0	20.5	77	17	10	10.0	19.0	52	10	9	7.5	10.5	52	8	8	4.0	6.0	43	2	4	3.0	6.0	26	1	4	3.5	5.0
22	152	7	2	10.5	17.0	125	11	5	12.0	18.0	100	21	5	12.0	22.0	80	16	8	11.0	19.0	54	9	12	6.0	9.5	55	6	8	6.5	9.0	43	2	6	2.5	4.0	24			2.0	3.5
23	156	3	4	10.0	16.0	129	8	6	12.0	18.5	104	13	5	13.0	21.5	84	15	9	11.0	20.0	55	10	9	7.0	10.0	56	4	6	4.0	7.5	45	2	7	2.0	4.0	24			2.5	4.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																															
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	8	4	11.5	19.5	131	9	6	11.0	17.5	109	16	8	11.5	22.0	86	15	7	*11.0	*23.5	58	14	8	*7.0	*12.0	54	5	8	*5.0	*9.0	41	5	6	3.5	5.5	23	2	2	2.0	3.0
01	154	8	2	11.0	18.0	133	9	4	11.0	18.5	111	12	8	12.0	20.0	88	13	10	12.0	23.5	58	12	8	*6.5	*11.5	57	9	6	4.5	8.5	38	7	4	3.0	5.0	23	2	2	1.5	3.0
02	154	6	4	13.0	20.0	133	7	4	12.5	20.5	111	9	8	12.5	22.0	86	15	7	*12.5	*24.5	58	12	6	9.0	14.0	59	6	4	*6.0	*11.5	36	4	4	3.0	5.5	21	2	2	1.0	3.0
03	154	6	2	11.5	19.5	133	7	4	12.5	20.5	111	8	8	12.0	21.5	89	9	10	*11.0	*24.0	59	10	7	*7.0	*11.0	58	5	7	*5.0	*9.0	36	4	4	3.0	5.0	21	2	2	1.0	3.0
04	154	7	4	13.0	20.0	134	5	5	14.0	22.0	108	11	5	12.0	23.5	84	9	11	12.5	24.5	60	10	7	*9.5	*15.0	53	16	10	*6.0	*11.0	34	4	3	3.0	5.0	21	2	2	1.0	3.0
05	154	4	4	13.0	21.0	133	8	4	12.0	21.0	107	12	6	12.5	22.0	84	14	8	*11.0	*21.5	57	11	5	8.0	12.0	49	5	7	7.0	11.5	34	5	5	2.5	5.0	21	2	2	2.0	3.0
06	154	5	2	11.5	18.5	132	5	4	13.0	21.0	101	12	6	13.0	21.5	70	19	10	*10.0	*14.0	56	13	6	8.5	16.0	49	6	8	6.5	10.0	34	4	4	4.5	6.5	21	2	2	1.5	3.0
07	154	2	2	11.5	17.5	123	7	2	13.0	22.0	81	23	6	*13.0	*21.5	54	31	5	7.0	9.5	46	6	6	6.5	10.5	45	4	8	6.0	9.0	38	4	6	4.0	7.0	21	4	2	3.0	4.5
08	152	3	4	11.5	18.0	116	14	5	14.5	23.0	77	32	18	*13.5	*23.0	60	30	12	*12.0	*21.0	38	11	6	3.0	5.0	29	7	6	*4.0	*6.5	31	12	4	4.5	7.0	22	4	3	*3.0	*4.5
09	152	4	4	11.5	17.0	113	12	10	*14.5	*22.0	77	30	12	*15.0	*26.0	54	32	6	*7.5	*11.5	36	14	6	3.0	4.5	25	8	4	2.0	3.5	26	10	8	*7.5	*8.5	21	4	3	3.0	4.5
10	150	7	2	11.0	16.5	112	7	11	16.0	25.0	83	12	19	*14.5	*24.5	56	28	6	*5.5	*9.5	34	11	4	3.0	4.5	23	9	4	*4.0	*6.5	20	12	7	*7.5	*13.5	21	3	4	5.0	7.0
11	152	4	4	12.5	18.0	111	14	10	16.5	25.0	79	29	19	*16.0	*27.0	54	18	6	*5.5	*8.0	32	14	2	2.5	4.0	21	9	4	*3.0	*4.5	20	12	10	*5.5	*9.5	19	2	3	2.5	4.5
12	150	6	4	12.0	17.5	112	15	11	15.0	23.0	76	32	17	*16.0	*29.0	52	25	6	*4.0	*6.0	34	15	6	*3.0	*5.0	21	8	4	*3.5	*5.5	18	10	8	*4.0	*6.5	19	2	2	3.0	5.0
13	150	8	4	12.0	18.5	113	14	10	17.0	27.0	79	26	16	*15.0	*20.0	55	31	9	*4.5	*6.5	34	14	6	*2.0	*3.5	21	10	4	*3.0	*4.5	18	14	7			21	2	4	*2.0	*4.0
14	150	8	6	13.0	19.5	112	15	11	16.5	28.0	75	28	18	*16.0	*24.0	52	28	4	*3.0	*5.0	33	13	5	2.5	4.0	21	10	4	*4.5	*7.0	20	10	8	*5.0	*8.0	21	4	2	*3.5	*6.0
15	150	2	4	13.5	20.5	113	8	12	*15.5	*24.0	77	31	17	*14.5	*21.5	52	30	6	*9.0	*16.0	32	14	4	*2.5	*4.0	21	12	4			22	11	4	*6.0	*9.0	23	4	4	2.5	5.0
16	150	4	4	14.0	20.5	109	13	7	*14.5	*24.5	73	30	12	*13.5	*20.0	52	29	8	*3.0	*5.5	32	13	4	3.0	5.0	23	12	4			30	8	5	3.5	5.5	23	4	3	*2.5	*4.0
17	150	5	5	12.0	19.0	109	18	6	11.0	16.5	81	23	14	*9.0	*15.5	56	23	4	*5.5	*8.0	36	9	5	3.0	5.0	30	17	6	*4.5	*8.0	36	6	5	4.0	6.0	23	4	3	3.0	5.0
18	148	7	2	11.0	18.0	113	6	4	7.5	13.0	89	25	10	8.0	13.0	64	34	10	*5.0	*10.0	40	19	6	3.0	5.0	37	12	5	*6.0	*10.0	40	3	10	4.5	7.0	23	4	2	3.0	5.0
19	150	9	4	12.0	19.0	119	18	4	7.5	13.5	93	21	7	*9.0	*15.0	74	27	12	*12.5	*18.0	48	21	8	*6.5	*8.5	43	15	6	*6.0	*9.0	40	4	7	3.0	5.0	23	4	2	3.0	5.0
20	152	9	4	11.5	18.5	121	19	4	10.5	17.5	97	24	8	12.0	22.5	76	28	8	*6.5	*15.0	52	18	8	*10.0	*17.0	53	6	10	5.5	9.0	40	4	4	3.5	5.5	23	4	2	2.5	4.5
21	152	8	3	11.0	18.0	123	17	4	14.0	19.5	102	18	11	12.0	20.5	78	21	6	*11.5	*24.0	56	16	9	*7.0	*12.0	55	7	12	*4.5	*8.0	40	5	2	*3.0	*5.0	23	4	1	3.0	5.0
22	152	6	2	12.0	19.0	127	9	4	11.0	17.0	103	16	7	*11.5	*20.0	81	20	7	10.0	20.0	56	13	6	*7.0	*11.5	53	11	3	*6.0	*10.0	42	4	2	1.0	3.0	23	4	2	2.5	4.0
23	154	5	4	10.5	17.5	129	10	4	12.0	20.0	105	16	8	*13.5	*22.0	86	20	11	12.0	21.5	56	6	5	8.0	11.5	55	7	4	4.0	7.5	44	2	6	3.5	5.0	23	6	2	2.0	3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	155	4	4	12.5	19.5	132	5	9	10.5	17.5	106	9	11	11.5	21.5	80	14	7	*12.0	*19.0	54	11	3	5.0	8.5	54	6	7	*3.5	*7.0	38	6	6	3.0	5.5	21	2	0	1.5	3.0
01	155	4	4	11.0	18.5	132	4	6	11.5	20.0	104	10	7	12.5	22.0	81	12	7	12.5	22.5	55	8	6	6.0	10.0	54	6	5	*5.5	*9.0	36	7	4	*3.5	*5.5	21	2	0	1.0	2.5
02	155	3	4	12.0	19.5	132	4	6	12.0	20.5	106	8	7	11.0	20.0	84	9	9	11.0	21.5	56	6	5	7.0	10.5	54	6	4	*5.0	*10.0	34	7	2	4.5	6.5	21	2	1	1.5	2.5
03	155	6	4	11.5	18.0	132	4	4	13.0	22.0	105	7	4	11.5	21.0	82	10	7	10.5	20.0	59	4	8	5.5	10.0	52	8	4	3.5	7.5	34	4	3	4.0	6.0	21	2	0	1.0	2.5
04	155	4	2	11.5	19.0	132	4	4	12.0	21.0	105	9	4	11.0	20.0	82	9	6	12.0	20.0	55	8	4	7.0	12.0	48	4	4	4.0	8.0	33	5	3	3.5	6.0	21	1	0	1.0	2.5
05	157	3	4	11.0	18.0	134	3	6	12.5	21.0	105	5	5	11.5	20.5	80	11	4	12.0	19.5	57	6	6	7.0	10.5	48	5	4	5.0	9.0	32	7	2	2.5	4.5	21	2	0	1.0	2.5
06	157	3	4	12.0	19.0	132	4	2	12.5	21.0	102	6	6	11.5	21.0	71	10	7	11.0	19.0	55	8	6	6.0	10.0	48	5	4	5.0	8.5	34	4	4	3.0	5.0	21	2	0	1.0	2.5
07	155	2	2	12.0	19.0	124	5	3	12.0	20.0	85	3	5	13.0	21.0	56	11	7	3.0	5.0	49	6	5	6.0	9.5	46	3	3	4.0	7.0	38	4	4	3.5	6.0	21	2	2	*2.0	*3.0
08	151	6	2	12.0	19.0	118	7	4	12.5	20.5	75	19	9	*15.0	*24.0	53	18	5	3.0	4.5	41	6	5	3.0	5.0	30	5	4	*2.5	*5.0	30	8	4	3.5	6.0	21	2	2	2.5	4.0
09	150	7	3	12.0	19.0	108	13	6	15.5	23.5	70	26	10	*16.5	*25.5	52	22	4	*4.5	*6.5	39	5	5	2.0	4.0	24	4	4	2.5	4.5	22	9	2	*3.0	*6.0	19	4	0	*3.0	*5.0
10	149	10	2	12.0	20.0	108	14	8	15.0	24.0	74	16	14	*12.0	*22.0	54	19	4	3.5	6.5	35	4	4	1.5	3.0	22	4	2	*3.0	*6.0	16	11	3			19	2	2	*3.5	*5.0
11	149	9	3	13.0	20.5	110	13	7	16.5	24.0	72	22	10	*13.5	*20.0	52	20	6	*6.0	*8.0	33	6	2	*2.0	*4.0	22	3	4	*2.0	*4.0	14	9	2			17	2	2	*4.0	*7.0
12	151	7	5	14.0	21.0	110	12	6	15.5	24.5	70	24	10	*16.0	*26.0	50	22	5	*8.0	*12.0	33	5	4	*2.0	*4.0	21	3	3	*2.0	*4.0	14	8	3			17	2	1	*3.0	*5.0
13	149	8	4	13.5	21.5	110	13	6	15.0	24.0	71	24	13	*5.5	*8.0	50	19	4	*8.0	*14.0	33	4	4	3.0	4.5	22	2	4	*2.5	*4.0	16	6	4	*3.5	*6.5	19	2	2	*4.5	*7.0
14	150	5	3	15.0	22.5	109	12	8	15.0	23.0	68	26	8	*13.5	*18.5	50	22	4	*2.0	*4.0	33	5	4	*2.5	*4.5	22	2	4	*3.0	*4.5	16	10	2	*4.0	*6.5	21	2	2	*3.0	*5.5
15	149	6	4	14.5	22.0	108	14	6	14.5	23.0	62	31	2	*9.0	*16.5	48	20	4	*6.5	*8.0	32	7	2	*2.0	*3.5	22	7	5			20	8	3			21	2	2	3.0	4.5
16	149	6	4	15.0	22.5	106	16	8	13.0	20.0	66	31	6	*11.5	*22.5	50	19	5	*4.5	*6.5	33	6	4	2.0	3.5	22	8	2			28	7	4			21	2	2	*3.5	*6.0
17	149	6	4	13.5	21.0	104	17	8	12.5	20.0	74	18	8	*7.5	*16.5	54	19	4	2.5	4.5	37	4	4	*2.0	*3.5	30	8	6			32	8	4	*3.0	*5.5	21	4	0	4.0	6.0
18	148	5	5	12.0	19.0	110	12	6	13.0	20.5	80	22	6	*12.5	*22.0	62	23	6	*10.0	*13.5	45	5	6	*2.0	*3.5	38	7	6	*3.0	*6.5	36	6	4			23	2	2	2.0	3.5
19	149	7	3	11.0	18.0	114	15	4	13.0	21.0	89	16	10	13.0	21.0	70	19	6	11.0	15.0	48	11	5	2.5	4.5	42	8	6	*3.5	*9.0	36	7	3	*4.0	*6.5	23	2	2	2.5	4.0
20	151	4	3	10.0	17.0	118	14	4	13.5	21.5	92	16	8	12.5	21.5	74	18	9	*14.0	*21.5	51	10	4	*3.0	*12.0	47	8	7	*4.0	*3.0	36	6	3	2.5	3.5	23	2	2	2.0	4.0
21	153	4	4	11.5	19.0	122	10	4	13.5	21.0	96	16	8	14.5	24.5	76	15	8	*14.0	*26.0	53	10	5	6.5	10.0	47	8	5	*4.0	*8.0	40	4	4	3.0	5.0	23	2	2	2.0	3.5
22	153	6	3	11.5	18.5	126	10	5	12.5	20.5	100	13	10	13.0	22.5	77	19	6	12.5	20.0	55	8	5	5.0	9.0	52	6	7	*4.5	*8.0	40	2	6	3.0	5.0	23	2	2	2.0	3.5
23	153	6	2	12.0	19.5	128	7	6	11.0	18.5	102	13	9	11.5	21.0	79	14	7	11.5	20.0	55	9	4	7.0	11.0	52	6	4	5.0	9.0	38	4	4	3.0	5.0	23	0	2	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

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	152	4	2	8.0	11.0	130	6	4	8.0	11.0	114	7	9	7.0	11.0	92	10	8	7.5	11.0	62	8	4	4.5	6.0	51	8	3	4.0	6.5	39	11	4	4.5	6.5	24	8	2	3.0	3.0
01	152	4	4	8.0	11.5	130	8	4	8.5	12.5	112	10	6	7.5	12.0	92	10	10	9.5	13.0	62	10	6	*5.5	*7.5	53	8	4	*2.0	*4.0	38	11	3	3.5	4.5	24	7	2	*2.0	*6.0
02	152	2	4	8.0	11.5	132	4	6	9.0	13.5	114	6	8	7.0	12.0	91	11	9	8.0	13.0	64	8	8	4.0	5.5	55	6	8	4.0	6.0	37	14	4	4.5	6.0	22	8	0	*2.0	*2.5
03	153	3	5	*8.5	*11.0	134	2	6	9.5	14.0	114	6	6	7.5	11.0	92	8	8	*7.0	*12.5	66	8	10	5.5	7.5	53	6	4	*5.0	*8.0	37	8	4	4.5	7.5	22	10	0	*1.5	*3.0
04	152	6	4	8.5	11.5	132	6	6	10.0	14.0	112	8	10	*10.5	*15.0	90	10	14	*8.0	*14.0	66	10	10	6.5	9.0	55	10	8	*7.0	*10.0	37	6	4	2.5	3.0	24	8	2	*2.5	*3.0
05	152	4	4	8.5	11.0	128	4	10	11.5	16.0	110	8	14	*10.0	*14.0	81	14	11	*4.0	*12.0	65	7	13	5.0	8.5	51	8	8	6.5	7.5	35	7	4	4.5	4.0	28	8	4	*3.0	*4.0
06	150	4	4	*9.0	*12.0	126	8	8	*12.5	18.5	108	9	22	8.5	*11.0	78	17	10	*9.0	*12.0	52	12	8	3.0	5.5	47	12	12	*2.5	*3.0	35	8	6	3.0	4.5	28	10	2	*2.0	*3.5
07	146	9	2	*8.0	*10.0	124	8	14	*11.0	16.0	104	14	14			74	18	7	*10.5	*12.0	48	18	11	*4.5	*7.0	42	15	13	*6.0	*9.0	29	19	4	4.0	5.5	26	6	4	*3.0	*3.0
08	146	6	4	10.0	14.0	116	17	17			102	18	20			78	16	2	*6.0	*7.5	48	11	12	*2.0	*3.0	33	19	9	*4.0	*6.5	29	9	8	6.0	8.5	23	9	1	*3.0	*3.5
09	146	5	3	*8.0	*11.5	118	11	7			96	22	14			76	16	9	*2.0	*4.5	48	14	12	*7.0	*1.5	32	15	8	*4.0	*4.5	27	13	5	7.0	8.0	23	8	3	*4.0	*6.0
10	148	4	4	*9.0	*13.0	118	16	7	*14.0	*20.0	104	16	21	*7.5	*11.5	78	21	14			48	10	11	*3.5	*5.5	31	14	9	*2.5	*4.0	23	16	6	6.5	7.5	26	10	4	*3.0	*4.0
11	150	5	4	9.0	14.0	126	7	12	*10.0	*15.0	106	13	19	*6.0	*10.0	87	10	21	*2.5	*4.5	48	19	14	*2.0	*3.5	31	15	8	*3.5	*5.5	23	9	4	5.5	6.5	25	10	5	*3.5	*5.0
12	154	6	6	10.0	14.0	130	11	13	*10.0	*16.0	114	10	25	*6.5	*10.0	94	8	19	*4.5	*8.0	52	18	12	*3.5	*6.0	36	13	8	*3.0	*5.0	27	11	6	5.5	7.5	26	7	2	*3.0	*4.0
13	156	4	6	10.0	15.0	134	4	12	10.0	17.0	118	4	18	6.5	15.0	94	8	18	*6.0	*4.5	60	8	20	*7.5	*10.0	41	14	12	*1.5	*5.0	31	4	8	5.5	7.5	28	4	4	*2.5	*4.0
14	156	6	4	9.5	14.0	134	6	12	10.5	16.0	114	9	10	10.0	16.0	93	12	20	8.5	12.0	57	11	9	*5.5	*7.5	45	10	12	*2.0	*6.0	31	8	7	6.0	9.0	34	5	8		
15	156	5	3	10.0	15.0	134	4	9	10.5	15.5	116	9	12	10.0	16.0	90	14	15	8.5	14.0	58	17	17	*8.5	*12.5	42	16	11	*7.0	*9.0	37	10	8	2.5	4.5	34	4	6	*2.5	*4.5
16	156	4	6	8.0	12.0	133	7	10	9.5	15.0	116	8	12	11.5	16.5	94	10	17	*8.5	*12.5	58	13	16	*3.5	*5.0	45	10	8	*5.5	*7.5	37	6	6	3.0	5.5	34	3	6	*3.0	*3.0
17	156	2	4	8.0	11.0	134	6	12	9.0	13.5	115	9	16	9.0	15.0	90	10	14	*8.5	*14.0	60	14	8	*3.5	*3.5	51	10	8	*6.5	*9.0	39	10	4	4.0	4.5	30	8	2	*4.0	*4.0
18	153	3	3	9.0	11.5	132	6	8	9.5	14.0	112	10	8	9.5	15.0	90	10	8	*8.0	*13.0	58	16	4	*3.0	*4.0	55	6	6	4.5	7.5	41	5	4	4.0	5.0	30	8	2	*3.0	*4.0
19	153	1	4	8.5	12.5	130	6	6	8.5	14.5	114	6	8	8.0	13.0	90	9	4	9.0	15.0	64	9	3	4.5	9.0	57	10	8	6.0	7.0	43	8	6	4.5	7.0	30	8	4	*2.5	*4.0
20	152	4	3	8.5	13.0	130	8	4	7.0	12.5	112	6	2	8.5	13.0	90	8	4	*8.0	*13.0	64	8	2	5.5	8.5	55	8	4	2.5	5.0	41	8	2	3.0	4.0	30	12	4	*2.5	*4.5
21	154	2	2	9.0	12.0	129	7	4	9.5	13.5	112	6	4	9.0	13.5	92	4	6	6.5	12.0	64	6	4	5.5	9.0	53	5	3	*3.5	*5.5	41	10	4	4.5	6.5	28	12	4	*3.5	*3.5
22	154	0	4	7.5	11.5	128	6	2	6.0	10.0	110	6	5	7.5	10.5	88	6	4	7.0	10.5	62	8	4	5.5	8.5	52	11	3	4.5	7.5	39	14	2	5.5	7.5	26	8	2	*2.5	*3.0
23	152	2	2	7.5	11.0	130	4	4	7.5	10.5	112	4	6	9.0	11.5	90	7	6	8.5	12.0	62	8	4	5.5	7.5	51	6	4	4.5	6.0	41	4	4	1.0	2.0	25	5	3	3.0	3.5

F_{am} = median value af effective antenna naise in db above ktb
D_u = ratia af upper decile to median in db
D_ℓ = ratio af median ta lawer decile in db
V_{dm} = median deviatian af average valtage in db below mean power
L_{dm} = median deviatian af average lagarithm in db below mean pawer

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month September 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	149	4	3	6.5	10.0	130	5	4	6.0	9.5	109	6	6	6.0	9.0	88	6	4	7.0	11.0	61	6	6	5.5	7.5	52	4	2	6.0	7.5	36	10	4	*1.0	*7.5	24	2	2	*3.0	*4.0
01	148	4	4	6.5	10.0	132	4	6	8.0	11.0	109	5	5	7.5	12.5	86	8	5	7.0	10.0	63	4	8	6.5	8.0	54	2	4	5.5	7.0	36	10	4	*4.0	*5.0	24	2	2	*2.5	*3.0
02	148	4	3	7.5	10.5	130	5	3	8.0	11.5	107	7	7	6.0	10.0	86	6	7	6.5	11.5	61	6	8	7.0	8.5	52	4	2	6.0	8.0	34	6	4	*5.0	*7.0	22	2	2	*1.0	*1.5
03	148	5	2	7.0	9.5	130	6	4	8.0	12.0	109	6	8	6.0	10.5	84	10	6	8.0	12.0	61	6	8	7.0	10.0	53	3	5	6.0	8.0	32	6	4	*5.5	*7.0	22	2	2	*1.5	*2.0
04	148	4	2	8.5	12.0	130	6	4	7.5	11.5	107	6	8	8.5	11.5	82	8	11	*5.5	*10.0	59	8	6	6.5	9.5	52	6	6	5.5	7.5	30	6	5	*4.5	*5.5	22	4	2	*1.0	*2.0
05	148	4	2	7.5	10.0	124	10	3	8.5	11.5	97	14	10	*8.0	*10.0	86	16	4	*2.5	*3.5	55	12	10	*9.0	*12.0	50	4	8	6.5	8.0	32	4	7	*4.0	*6.5	25	9	3	*2.5	*3.5
06	146	4	4	8.0	11.0	120	9	6	8.0	12.5	90	17	17	*7.5	*2.5	64	21	6	*7.5	*3.0	43	12	8	*5.5	*7.5	40	14	10	*5.0	*6.0	33	6	7	*4.0	*5.5	28	6	4	*2.5	*3.0
07	143	5	3	*4.0	*9.0	116	8	8	*11.0	*15.0	86	17	10	*9.5	*14.0	64	16	5	*4.0	*4.0	37	9	8	*2.0	*4.5	32	12	8	*7.0	*8.0	29	7	9	*5.0	*8.0	24	6	2	*2.5	*4.0
08	144	4	4	8.0	11.5	*116			*12.5	*18.5	*86			*10.5	*15.0	64	14	4	*6.5	*9.5	37	5	8	*2.0	*4.0	26	11	4	*5.5	*8.5	26	11	10	*3.5	*5.5	22	4	2	*3.0	*5.0
09	*144			*10.0	*15.0	*119			*11.5	*18.5	*87			*5.5	*9.5	66	20	6	*4.0	*6.0	37	6	6	*2.5	*3.5	24	10	2	*4.0	*8.0	20	15	6	*4.5	*7.5	22	6	0	*3.5	*4.5
10	*144			10.0	14.0	120	10	4	10.5	16.0	*88			*10.0	*15.5	67	20	6	*3.0	*4.5	39	7	8	*7.0	*10.0	24	11	3	*3.0	*4.0	20	12	4	*6.5	*8.0	24	8	4	*3.5	*4.5
11	*144			*10.5	*15.5	120	10	4	*11.5	*16.5	91	18	8	*9.5	*16.5	68	26	6	*4.0	*7.0	38	7	7	*2.5	*4.0	27	13	7	*5.5	*7.5	24	12	7	*2.0	*6.0	24	13	4	*3.5	*5.0
12	147	7	3	10.0	14.0	122	14	4	10.0	16.0	101	18	15	*9.0	*14.0	78	22	16	4.0	8.0	39	17	4	*7.5	*10.5	28	21	6	*4.0	*6.5	26	11	8	*3.0	*7.5	24	8	2	*3.0	*5.0
13	150	6	4	*7.5	*12.0	128	12	6	9.0	14.5	107	11	16	10.0	14.5	82	18	18	7.0	10.0	41	33	4	*7.5	*12.0	28	30	4	8.5	11.0	26	14	2	5.0	8.0	28	10	4	*6.5	*7.5
14	152	6	6	*9.0	*14.0	130	9	10	9.5	15.0	109	12	18	9.0	13.5	86	18	18	7.5	13.0	46	19	11	*9.0	*14.0	38	15	10	*5.5	*9.0	32	6	6	4.0	7.5	30	5	4	*3.5	*6.0
15	*152			*8.0	*12.5	130	12	10	8.5	13.0	109	12	19	*9.5	*12.0	88	14	24	*6.0	*9.5	47	19	10	*7.0	*11.0	44	13	9	6.0	8.5	36	7	5	5.0	7.5	30	5	2	*4.0	*6.5
16	152	6	4	8.5	12.0	129	11	8	9.0	13.5	108	7	16	*8.5	*13.0	87	15	23	7.5	10.5	49	16	10	*8.5	*11.5	46	11	10	*5.5	*8.5	38	4	6	*4.0	*6.0	31	5	3	3.5	5.0
17	*150			8.0	12.0	126	14	4	7.0	12.0	101	19	2	8.0	12.5	84	11	13	5.0	8.5	53	12	10	*10.0	*13.0	52	8	6	5.0	8.0	42	4	10	4.5	7.0	30	6	2	*3.0	*4.5
18	149	5	4	6.0	10.0	128	8	4	8.5	13.5	107	6	6	7.0	11.5	88	11	6	5.5	10.0	59	10	6	4.0	6.5	56	6	8	*4.0	*7.0	42	7	6	*2.5	*4.0	30	9	4	3.0	4.5
19	150	2	4	6.0	9.0	130	7	6	8.5	14.0	107	7	9	7.5	12.5	90	8	8	7.0	12.0	61	10	6	5.0	8.5	56	5	6	4.5	7.5	42	6	10	*2.5	*4.0	29	5	3	*2.5	*4.5
20	150	2	4	6.5	10.0	128	6	5	8.5	12.5	107	5	5	6.5	11.0	90	9	4	7.0	11.5	61	8	4	5.0	9.5	52	7	4	5.0	8.0	42	5	10	*2.5	*5.5	28	5	2	*3.0	*5.0
21	150	2	2	6.0	9.5	128	4	3	7.5	10.5	107	3	3	8.0	13.0	91	8	5	5.0	9.5	61	6	6	6.5	9.0	52	4	2	5.5	8.5	38	6	6	*4.0	*6.0	26	6	2	*3.5	*5.0
22	150	4	3	6.0	9.0	130	4	5	6.5	9.0	107	4	4	6.5	10.0	90	5	7	6.5	11.5	61	4	6	6.5	9.0	52	5	3	5.5	7.5	38	8	6			26	2	2	2.5	4.0
23	149	2	3	6.5	9.0	130	4	4	7.0	11.0	107	5	4	7.0	11.0	88	7	6	7.0	12.0	59	8	4	5.5	9.5	52	6	3	5.5	7.5	38	6	6	*5.5	*6.5	24	4	2	*3.0	*4.0

F_{am} = median value of effective antenno noise in db above ktb
D_u = ratia of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltoge in db below meon pawer
L_{dm} = median deviation of overage lagarithm in db belaw mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month October 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	153					*126					*107					83	8	7			55	10	6			52	7	9			32	7	2			22	3	2		
01	153					*128					*107					83	8	6			57	5	8			56	5	6			32	4	4			22	4	2		
02	151					*128					*109					85	7	14			55	8	7			52	5	6			32	9	4			22	2	3		
03	153					*130					*107					85	4	8			55	10	8			50	11	7			32	4	9			20	3	1		
04	153					*128					*107					81	8	11			57	6	10			50	11	9			28	10	4			22	1	3		
05	152					*123					*105					71	8	7			55	8	12			48	10	5			29	7	3			22	6	2		
06	152					*121					*90					65	15	6			45	8	6			44	9	6			32	5	5			23	3	2		
07	149					*115					*84					63	6	4			39	7	8			39	8	14			30	6	8			*22				
08	145					*114					*85					63	4	2			36	11	7			*28					*24					*22				
09	145					*114					*85					*63					*37					*28					*18					*22				
10	145					*112					*86					*64					39	6	6			*24					*26					*22				
11	147					*114					*85					65	11	4			39	7	5			28	14	8			*28					24	4	4		
12	147					*116					91	12	4			67	7	4			39	8	6			30	11	8			*22	4	7			*24				
13	149					*118					*95					67	7	6			39	7	4			26	14	4			25					*26				
14	150					120	4	10			95	14	8			67	17	4			39	8	4			31	7	5			*28					26	2	2		
15	151					*122					*103					67	17	4			39	10	2			36	9	5			31	7	8			26	2	2		
16	151					*120					*99					68	17	5			41	9	4			42	8	11			36	8	4			26	4	2		
17	152					*121					*101					79	7	6			47	7	6			48	7	6			39	5	6			26	4	2		
18	151					*124					*109					83	9	5			57	6	7			52	6	5			40	10	6			26	3	1		
19	151					*124					*111					83	10	6			55	6	4			52	8	6			38	8	8			26	4	2		
20	151					*124					*109					85	6	8			55	7	8			52	12	6			42	6	13			26	3	4		
21	153					*126					*107					85	8	7			55	6	8			51	9	7			36	7	4			24	3	2		
22	154					*130					*107					83	9	9			57	8	10			54	4	12			34	7	6			22	4	2		
23	153					*128					*107					84	7	7			55	10	8			51	9	8			34	6	5			22	3	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month September 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	157	8	4	12.0	18.0	134	10	4	13.0	19.5	112	8	8	10.5	17.0	92	10	8	9.0	16.0	63	8	10	8.5	14.5	58	8	4	*8.0	*13.0	46	6	4	*5.0	*8.0	25	8	2	1.5	3.5
01	159	6	4	11.5	17.0	134	8	4	13.0	19.5	112	10	5	11.5	18.5	90	14	8	13.0	19.5	63	6	12	*7.0	*14.0	59	5	5	*8.5	*14.0	46	10	2	3.5	6.0	25	8	2	1.5	3.0
02	159	6	4	12.0	18.0	136	6	4	12.5	19.5	112	7	4	*10.5	*17.5	90	10	8	10.5	17.5	63	6	10	*9.5	*15.0	60	9	6	*8.0	*12.0	46	5	3	*5.0	*9.5	25	4	2	2.5	4.0
03	159	5	4	12.0	18.0	136	7	5	13.5	20.0	113	9	5	*12.0	*18.5	90	11	8	11.5	17.5	63	6	10	7.5	14.0	60	4	8	7.5	13.0	44	4	4	6.5	10.0	23	2	2	1.5	3.5
04	157	7	3	13.0	18.5	134	7	4	13.0	20.0	111	9	7	12.0	19.0	84	12	8	8.0	13.0	63	6	12	*8.5	*16.0	60	6	5	*7.0	*11.5	42	4	6	6.0	10.5	23	2	2	1.0	3.0
05	157	6	4	*12.5	*18.0	130	8	6	14.0	20.0	98	11	7	*16.0	*22.5	70	14	4	6.0	10.5	57	10	8	*8.0	*13.0	60	8	8	*6.0	*10.0	44	4	4	5.5	9.5	25	4	2	*3.0	*5.0
06	155	6	4	13.0	18.5	126	8	10	15.0	22.0	88	16	15	*14.0	*21.0	68	15	3	6.0	11.0	42	9	5	*5.5	*11.5	44	10	6	*7.5	*12.5	40	6	4	*6.5	*11.0	27	6	4	4.0	6.5
07	157	4	5	13.0	18.5	122	12	9	*16.0	*20.5	90	11	17	*11.5	*15.0	70	15	5	7.0	13.0	40	13	7	*7.0	*11.5	38	8	10	*8.0	*12.0	36	9	6	7.0	12.0	27	5	3	*4.5	*7.0
08	157	4	7	14.5	21.0	126	16	15	18.0	24.5	94	9	20	14.5	20.5	68	13	5	7.5	13.0	35	13	4	*5.0	*8.0	32	10	4	*6.0	*11.0	32	8	4	*6.5	*10.5	39	10	16	*3.5	*6.5
09	156	4	6	15.5	22.0	124	16	12	17.0	25.0	90	6	12			*68					33	11	2	*4.0	*8.0	30	13	3	*7.5	*14.0	28	12	5	*6.0	*9.0	31	15	8	*4.5	*8.5
10	*156			*17.0	*23.0	*124			*17.5	*26.0	*92			*11.0	*17.0	*69			11.0	16.0	35	3	4	*6.5	*9.5	*30			*7.5	*12.0	*30			*10.0	*15.0	33	10	10	*4.5	*8.0
11	157	4	6	*17.5	*24.0	124	10	9	*16.5	*24.5	86	26	9	*17.5	*24.0	66	19	3	5.0	10.0	34	4	3	*4.5	*7.0	30	5	3	*6.0	*9.0	30	5	7	*7.0	*10.0	25	9	3	*5.0	*7.0
12	157	1	5	17.5	24.5	124	10	8	*16.5	*24.0	94	16	21	*13.0	*19.0	71	12	2	7.0	12.5	33	12	2	*8.0	*10.5	30	4	4	*5.0	*8.5	28	6	6	5.0	9.0	25	4	4	*3.5	*5.5
13	155	3	3	16.0	24.0	124	10	9	15.5	23.0	82	15	6	*10.5	*16.0	69	20	5	9.5	15.0	33	6	2	*6.0	*9.0	30	6	4	*7.5	*10.0	30	8	4	6.5	9.5	27	6	4	*2.0	*4.0
14	157	3	7	11.0	23.5	124	7	9	14.0	22.0	86	23	12	*11.5	*17.0	70	12	3	11.0	16.0	33	18	2	*9.0	*14.5	32	8	4	*8.0	*13.0	32	7	2	*5.0	*10.0	29	6	4	*4.0	*6.0
15	157	3	3	14.0	22.5	126	7	11	14.0	21.5	88	18	11	14.0	19.5	66	11	2	5.0	9.0	35	18	4	*5.0	*7.5	38	6	10			38	4	2	*3.5	*7.5	29	4	4	2.5	5.0
16	159	2	5	13.0	20.0	124	11	10	*12.0	*19.0	86	31	13	*8.0	*10.0	68	11	3	5.0	9.0	38	19	4	*5.5	*9.0	42	8	8	*7.5	*11.5	42	4	4	*2.5	*5.0	29	6	4	2.0	4.5
17	157	4	4	12.0	18.5	123	13	8	*10.5	*16.0	94	19	13	*15.0	*21.5	74	12	4	7.0	12.5	43	11	4	*7.0	*11.0	53	9	7	*7.0	*12.5	46	4	4	*3.0	*6.5	31	4	6	3.0	5.0
18	157	4	4	12.0	18.0	127	9	7	12.5	18.5	106	8	8	*15.0	*23.0	88	10	6	8.0	15.0	55	6	10	*6.0	*11.0	66	5	5	*7.0	*12.0	48	4	4	4.0	7.0	35	8	8	*1.5	*5.0
19	157	8	4	11.5	17.5	130	8	6	12.0	21.0	110	8	12	*14.0	*20.5	94	9	10	8.5	15.0	59	8	11	*7.0	*12.5	72	4	8	*7.0	*12.5	50	2	6	3.5	7.5	33	10	6	*2.5	*5.0
20	159	8	4	13.0	20.0	134	8	6	12.0	19.0	112	9	10	11.0	19.0	94	6	8	9.0	14.0	61	8	10	6.0	11.0	70	6	4	*6.0	*11.0	48	4	4	4.5	8.0	27	8	2	*2.0	*4.0
21	159	8	4	13.0	19.5	134	8	6	10.0	17.5	114	8	10	11.0	17.5	95	5	7	10.5	17.0	63	4	10	6.0	11.0	73	4	8	*6.5	*12.0	48	2	6	4.5	8.0	27	10	2	2.5	4.5
22	159	8	4	13.0	19.0	135	5	5	11.5	18.5	112	8	8	11.5	19.0	96	6	6	8.5	15.5	61	6	8	7.0	13.0	74	7	3	*6.0	*12.5	48	6	4	4.0	7.0	27	2	2	1.5	3.5
23	157	6	2	10.5	17.0	135	5	5	12.0	18.5	114	6	8	10.5	13.5	94	10	6	8.0	12.5	63	4	10	*6.5	*11.5	61	13	7	*6.5	*11.0	46	6	4	4.5	7.5	25	8	2	*2.5	*4.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140,5 E Month October 1960

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	2	4	11.0	15.5*	134	2	4	12.0	19.0	111	4	8	9.0	15.5	89	8	8	*8.0	*13.5	57	8	6	*6.0	*12.0	56	4	4	*6.0	*9.5	43	4	8	*3.5	*6.0	25	2	2	2.5	4.0
01	155	2	4	9.5	15.0	134	2	7	11.0	18.0	112	3	8	9.0	15.5	89	5	9	8.5	14.0	57	8	6	*7.0	*12.0	56	4	5	*6.0	*10.0	43	7	7	*4.0	*6.0	25	0	2	1.5	3.0
02	155	2	4	9.5	15.0	133	4	5	11.0	18.0	111	4	4	11.0	18.5	89	6	7	8.0	15.0	57	7	5	*7.0	*12.5	56	2	6	6.5	11.0	41	4	9	3.5	5.5	23	2	0	1.0	2.5
03	155	3	4	10.5	16.0	132	6	2	11.5	18.5	109	6	5	11.0	19.0	87	6	7	*9.0	*13.5	57	7	5	9.5	14.0	54	4	3	*7.0	11.0	39	7	8	*2.0	*4.0	23	2	0	1.0	3.0
04	153	4	5	10.5	16.0	132	5	2	12.5	19.0	108	3	5	11.0	19.5	83	9	6	*10.5	*16.0	57	8	8	*10.5	*17.0	54	4	4	7.0	11.5	37	5	6	3.5	5.5	23	2	0	1.0	3.0
05	154	3	3	11.0	16.5	130	4	6	13.0	19.5	101	8	6	12.5	19.0	77	11	7			55	7	4	*7.0	*12.5	70	10	12	*9.0	*15.0	37	5	4	4.5	7.5	25	2	2	1.5	3.5
06	153	3	5	10.0	15.0	122	8	5	12.5	18.0	85	14	9	12.5	16.5	71	12	4	*5.0	*9.5	43	9	3	*7.5	*13.5	51	4	3	*9.0	*13.0	39	2	3	4.5	7.0	25	4	2	*2.5	*4.5
07	151	3	5	11.5	17.0	116	7	7	12.0	18.0	83	15	8	9.0	15.5	67	6	2	*5.0	*9.0	37	7	2	*9.0	*12.0	40	8	4	*4.5	*9.0	35	6	4	*8.0	*11.5	25	4	0	2.5	4.5
08	150	3	3	13.0	18.5	114	6	10	13.0	19.5	83	12	10	*13.5	*17.0	67	5	2	*6.5	*11.0	35	3	2	*6.5	*9.5	36	6	4	*8.0	*12.0	35	5	6	*4.5	*7.0	27	10	2	*3.0	*5.0
09	151	4	4	14.5	20.5	113	9	5	15.0	23.0	*81			*14.5	*17.5	*67			*4.0	*7.5	35	2	2	*5.0	*7.5	32	4	4	*9.0	*10.5	29	8	2	*3.5	*5.5	*27			*4.0	*6.0
10	*151			*14.5	*20.0	*116			*15.0	*23.5	83	9	9	*10.5	*16.5	69	6	2	*3.0	*6.5	*33			*3.5	*6.0	*32			*6.5	*8.5	29	7	5			25	6	2	*3.5	*5.0
11	151	3	4	15.5	21.5	116	6	8	16.0	23.0	83	8	8	*16.0	*22.5	67	10	3	*13.0	*17.5	33	2	2	*5.0	*7.5	32	4	4	*8.5	*11.5	29	6	4	*4.0	*6.0	25	2	2	3.0	5.0
12	151	4	5	16.5	21.5	116	8	6	17.0	24.0	83	8	8	*14.0	*22.0	71	5	4	*5.0	*9.0	33	3	2	*7.0	*9.5	30	4	4	*7.0	*10.0	27	8	4			25	2	2	2.5	4.5
13	152	3	5	13.5	21.0	118	6	8	14.5	20.5	84	17	9	*15.0	*23.5	69	10	4	*7.5	*14.0	33	2	2	6.0	9.0	32	7	4	*6.5	*9.0	31	7	4	*6.5	*10.0	25	2	2	*2.5	*5.0
14	153	3	4	13.0	20.0	118	9	10	12.0	19.0	81	18	8	*15.0	*22.0	71	9	4	*8.5	*9.5	35	4	4	*4.5	*6.5	34	6	4	*4.0	*6.5	35	6	6	*4.5	*6.5	27	2	2	*3.0	*5.0
15	153	3	3	12.5	19.5	115	16	7	13.0	19.5	83	20	9	*10.0	*14.0	69	12	4	*6.0	*10.5	35	6	4	*6.0	*8.0	42	8	8	*9.0	*13.0	39	8	4	*2.5	*5.5	29	3	2	3.5	5.5
16	153	2	3	10.0	16.5	116	11	5	12.0	17.0	87	16	7	*15.0	*21.0	71	12	5	*6.5	*10.5	39	12	6	*7.5	*12.5	54	8	8	*6.5	*11.0	41	9	2	*4.0	*5.5	29	7	2	3.0	5.0
17	151	4	2	9.5	16.0	117	7	5	10.5	16.5	95	14	6	12.5	19.5	89	7	8	*7.0	*12.5	47	9	4	*4.5	*8.5	64	9	7	*7.0	*12.5	45	5	4	*4.0	7.0	29	2	2	2.5	5.0
18	153	4	2	9.5	16.0	124	3	4	10.0	16.5	100	8	5	10.5	19.0	93	5	4	*9.5	*17.0	51	9	6	*6.0	*10.5	64	8	4	*10.5	*18.5	45	9	3	*3.5	6.0	27	7	2	3.0	4.5
19	154	3	3	11.0	17.0	128	4	4	12.0	18.0	103	7	4	10.0	16.0	93	6	4	7.0	13.0	51	9	4	9.5	15.5	68	7	6			45	14	2	*3.5	6.0	27	4	2	2.5	4.5
20	155	3	4	11.0	17.0	130	4	4	10.5	17.5	103	8	2	10.0	17.0	95	4	7	*6.5	*11.0	53	8	5	*6.0	*11.5	70	4	8	*8.5	*14.0	45	10	2	4.0	7.0	27	2	2	1.5	3.0
21	153	5	2	11.5	17.5	131	4	3	11.5	19.0	109	4	6	10.0	16.5	95	6	5	*7.5	*12.5	53	10	4	*6.5	*11.5	72	6	7	*11.0	*17.0	46	10	3	*3.5	6.0	25	4	0	2.0	3.5
22	153	5	2	10.5	16.5	132	4	4	12.5	20.0	109	5	5	11.0	20.0	97	8	6	*6.5	*14.0	55	9	6	*7.5	*12.0	74	8	12	*5.5	*11.0	43	12	2	4.0	6.5	25	5	2	1.5	3.0
23	154	4	3	10.0	15.0	132	7	3	11.5	19.0	111	4	8	10.5	17.5	99	11	10	*7.0	*12.0	57	10	8	7.5	13.0	60	26	6	*8.0	*9.5	45	7	3	4.5	7.0	25	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month November 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	153	4	7	9.5	13.5	130	9	4	12.5	20.0	108	12	5	10.5	19.0	87	16	5	10.0	17.0	56	11	7	*6.0	*11.0	54	7	5	*5.0	*9.0	42	14	7	4.5	7.5	24	0	2	1.0	2.5
01	153	4	5	10.5	16.0	130	6	4	*12.0	*19.0	108	13	4	10.0	18.0	87	12	7	8.5	15.5	58	10	8	*6.5	*11.0	53	7	3	5.5	10.0	38	14	4	*3.0	*6.5	24	1	2	1.0	3.0
02	153	3	5	10.0	15.0	130	6	4	12.5	20.0	108	10	6	11.0	18.5	89	5	9	10.0	18.5	58	8	10	*6.5	*13.0	53	6	5	*5.0	*9.0	36	10	5	*3.0	*5.0	24	0	2	1.0	2.5
03	153	5	3	10.0	16.0	130	6	4	12.5	20.0	108	8	6	7.0	18.5	87	11	9	11.0	20.0	58	9	12	*7.5	*13.5	51	6	2	*4.5	*8.0	34	6	4	2.0	4.0	24	0	2	1.5	3.0
04	153	5	2	11.0	16.0	130	6	6	11.5	19.0	106	11	8	11.5	20.0	84	5	5	*9.0	*15.0	56	10	10	6.5	12.0	51	8	6	5.5	9.5	32	5	4	*3.0	*5.0	24	0	1	*1.0	*3.0
05	153	6	2	10.5	16.0	130	8	8	13.0	23.0	101	13	10	*13.0	*22.0	85	12	10	*14.5	*21.0	52	15	6	*6.0	*11.0	64	7	4			36	4	5	3.5	6.0	24	2	0	1.5	3.5
06	151	5	3	10.0	15.5	122	12	6	12.0	19.0	92	18	18	*11.0	*14.5	81	9	11	*6.0	*12.5	48	14	8	*7.0	*11.0	57	11	8	*9.0	*16.5	40	7	5	*5.0	*9.0	26	1	2	2.5	4.0
07	151	3	6	10.5	14.5	120	10	8	*14.5	*20.5	88	26	14	*15.5	*24.5	69	10	2	*7.0	*12.0	38	20	6	*6.5	*11.0	43	9	14	*7.0	*11.0	40	4	5	*5.5	*10.0	26	2	2	*2.0	*4.0
08	151	6	6	13.0	20.0	118	16	18	*16.5	*24.0	90	20	16	*12.0	*20.0	69	10	3	*2.5	*3.5	36	8	10	*5.5	*9.5	35	10	8	*6.0	*10.0	38	8	4	*6.0	*11.0	26	2	2	*2.0	*5.0
09	151	4	12	12.0	16.5	114	10	12	*18.0	*27.0	*88			*6.5	*12.0	*69			*9.5	*12.5	32	7	6	*6.0	*9.0	*34			*2.5	*5.0	*38					26	2	2	*3.5	*5.5
10	153	4	21	14.0	18.5	118	14	18	*13.0	*22.0	86	28	12	*7.0	*11.0	67	29	2	*3.5	*7.0	32	13	5	*5.5	*8.0	32	13	5	*7.5	*11.0	38	4	8	*5.0	*9.0	26	5	2	*4.0	*6.5
11	151	4	9	13.5	19.0	116	7	9	*14.5	*21.5	84	21	8	*10.0	*16.0	68	22	7	*5.0	*9.0	32	21	2	*5.0	*7.0	31	14	4	*8.0	*13.0	36	4	6			26	4	4	*3.0	*5.0
12	151	4	6	10.5	20.0	118	8	10	13.0	20.0	85	15	13	*5.5	*9.0	71	7	6	*5.0	*9.0	32	24	4	*7.0	*11.0	31	10	4	*6.0	*8.5	36	6	15	*5.5	*11.0	26	2	4	3.5	6.0
13	151	3	12	12.0	17.5	115	9	11	*12.0	*19.0	82	19	10	*7.5	*11.0	71	12	6	*2.5	*3.5	32	5	4	*6.0	*8.0	31	11	4	*4.5	*6.5	38	4	8			26	4	4	*2.5	*4.5
14	151	4	10	10.0	16.0	116	12	10	10.5	16.0	83	17	11	*14.0	*19.0	71	12	6	*5.0	*9.5	34	16	4	*6.5	*9.0	35	16	6	*4.0	*7.5	38	4	6	*5.5	*9.0	28	4	4	*2.5	*4.5
15	153	2	13	10.5	16.0	114	11	12	11.0	17.5	83	14	8	*11.0	*17.5	73	8	6	*13.5	*21.5	34	10	4	*3.0	*5.5	43	6	4	*5.0	*9.5	40	8	2	*6.5	*9.5	28	4	2	*2.5	*4.0
16	151	4	10	10.5	16.0	110	16	8	*9.5	*16.0	84	20	4	*13.5	*22.0	73	12	4	*7.0	*11.5	40	10	4	*6.5	*11.0	57	6	6	*10.5	*15.0	42	4	2	*4.0	*6.5	28	2	2	2.0	3.5
17	151	4	11	10.5	16.0	118	10	12	*14.0	*19.5	94	14	10	*11.0	*20.0	95	4	6	*6.5	*13.5	48	10	8	*6.5	*9.5	63	8	6	*7.5	*12.0	44	5	3	*4.0	*8.5	26	4	2	2.5	4.0
18	153	2	12	10.0	15.5	124	6	18	*12.0	*19.5	98	12	6	*10.5	*18.5	93	8	7	*8.0	*15.0	50	10	8	*7.5	*13.5	63	7	6	*8.0	*13.5	44	6	2	*4.0	*7.0	26	4	2	1.5	3.0
19	153	5	5	11.5	18.0	127	7	7	10.0	17.5	103	14	5	*10.5	*17.0	95	8	9	*6.5	*13.0	54	8	10	*8.0	*12.0	65	10	5	*9.0	*15.0	46	6	6	*3.5	*8.0	26	2	2	1.5	3.0
20	153	5	6	11.0	16.5	127	7	2	9.0	16.5	104	10	7	12.5	21.5	95	8	6	*7.0	*14.0	56	6	12	*8.0	*13.0	63	10	4	*10.0	*16.0	46	7	5	4.0	7.0	24	4	0	2.0	4.0
21	153	4	5	11.0	16.5	128	7	2	12.0	19.5	106	8	7	8.5	16.5	99	8	7	*5.0	*10.0	54	9	8	*12.0	*18.0	69	7	6	*10.0	*16.0	44	11	5	*3.5	*6.5	24	2	0	1.5	3.5
22	153	4	7	10.5	16.5	128	7	4	12.0	20.5	106	9	5	10.5	18.0	97	9	7	*6.0	*11.5	54	11	6	*15.0	*23.0	65	10	4	*5.0	*11.0	42	6	6	*3.5	*6.5	24	2	1	1.5	3.0
23	153	2	6	10.0	15.0	130	7	4	13.5	21.0	108	10	6	10.0	18.0	97	10	10	*9.5	*19.0	56	11	9	*11.5	*12.5	55	12	6	*5.5	*9.5	42	13	6	4.5	8.0	24	1	2	1.5	3.5

F_{am} = median volue of effectiv antenna noise in db obave ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratia of medion to lower decile in db
V_{dm} = median deviation of average voltoge in db below mean power
L_{dm} = median deviotian of overage logarithm in db belaw meon power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 45.8 W Month September 19 60

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	129	10	8			110	12	10			99	11	9			88	8	9			*63					*52					*37					*26				
01	125	14	4			108	18	9			98	12	10			90	8	12			*64					*52					*35					*28				
02	127	8	6			110	16	12			*96					88	9	11			*62					*48					*37					*26				
03	125	8	4			109	13	11			96	12	14			84	15	10			*63					*48					*37					*30				
04	126	10	7			108	17	14			*91					82	15	11			*64					*48					*37					*24				
05	123	13	4			106	18	8			88	8	8			74	16	14			*61					*50					*37					*28				
06	119	17	7			92	31	9			65	27	3			54	37	2			*52					*44					*37					*33				
07	116	20	9			86	40	10			66	20	4			56	26	4			*42					*36					*33					*34				
08	*113					86	36	16			*62					*54					*41					*28					*23					*28				
09	*111					*80					64	22	2			54	27	2			*40					*20					21	9	8			28	10	8		
10	115	12	16			84	34	12			64	30	2			54	17	2			38	4	4			24	16	6			23	8	6			24	9	4		
11	113	18	8			86	37	11			62	28	0			54	10	2			34	10	2			23	23	5			21	12	8			22	11	2		
12	118	13	11			85	31	11			73	25	11			54	22	2			34	17	2			24	17	6			24	9	9			24	5	3		
13	119	12	8			88	33	8			66	40	4			54	34	2			38	9	2			26	20	8			25	10	8			24	14	4		
14	120	19	9			90	37	10			71	45	9			53	42	1			39	24	3			26	23	6			25	16	8			27	9	5		
15	119	28	7			94	36	14			78	46	16			54	50	2			39	35	3			*29					37	10	12			28	10	4		
16	121	24	11			99	33	21			74	46	12			56	46	6			42	38	6			36	25	13			39	14	10			32	14	11		
17	120	22	9			97	37	17			72	42	10			60	37	8			*54					*44					42	7	9			32	16	6		
18	120	25	5			99	29	13			82	32	10			80	18	6			62	12	16			52	10	10			43	8	6			33	20	9		
19	125	18	8			108	19	10			92	20	12			86	10	10			66	10	12			*51					45	4	8			*34				
20	127	14	8			110	16	8			94	18	11			86	12	4			*68					52	12	8			43	6	6			33	16	11		
21	129	12	8			112	14	9			99	11	9			90	10	10			*68					*54					*42					*33				
22	131	10	10			113	12	11			100	12	10			90	9	9			*66					*53					41	6	8			28	16	8		
23	131	8	9			113	10	8			100	12	10			90	10	10			*67					50	12	16			41	6	8			*28				

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}
00	145					129					113					88					61					58					46					25				
01	145					129					114					87					62					59					45					25				
02	143					129					112					90					63					60					47					27				
03	145					126					106					93					61					60					47					25				
04	143					127					107					76					61					56					45					25				
05	145					126					104					75					61					54					45					26				
06	143					123					93					67					53					52					45					29				
07	143					119					87					59					38					42					41					30				
08	140					116					84					69					33					36					38					31				
09	139					115					89					59					31					29					31					35				
10	144					117					83					60					31					24					27					29				
11	143					116					87					65					31					21					27					29				
12	143					117					87					63					31					20					25					33				
13	144					119					87					63					31					20					30					45				
14	144					121					89					67					31					24					31					49				
15	151					124					92					73					33					31					41					37				
16	152					123					89					72					33					37					45					41				
17	140					123					91					74					41					48					49					43				
18	149					121					109					84					51					55					49					39				
19	152					123					109					89					61					56					48					37				
20	157					127					110					88					63					56					49					32				
21	149					127					111					90					63					54					47					29				
22	147					127					111					89					61					54					45					29				
23	147					126					115					88					61					56					46					27				

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

* Due to frequency changes this month, the readings were less than 15.

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	2	2			129	6	4			117	2	4			89	6	6			61	6	8			56	6	4			43	4	5			30	8	6		
01	152	4	2			129	4	4			116	3	3			87	6	6			61	5	6			58	6	6			43	4	6			30	4	6		
02	152	2	2			131	4	4			115	6	4			87	4	4			59	9	6			59	3	5			43	4	6			28	6	4		
03	152	2	4			129	4	2			113	7	5			85	6	4			59	4	6			56	4	2			45	2	6			27	11	3		
04	152	2	2			129	4	4			113	6	4			85	4	6			59	4	4			54	4	2			43	8	10			26	12	4		
05	152	3	3			129	4	4			113	2	8			83	2	8			57	7	5			54	3	5			41	4	8			24	10	2		
06	154	2	4			127	4	2			101	6	8			79	8	16			54	6	6			52	4	4			43	2	6			28	15	4		
07	152	2	4			123	4	4			89	8	2			77	6	18			43	6	6			46	4	10			39	7	2			38	9	9		
08	148	4	2			121	4	6			89	9	10			69	16	10			37	6	6			40	8	12			39	4	6			36	12	9		
09	148	4	2			119	4	6			91	4	8			78	6	18			35	12	6			30	10	4			35	5	5			38	10	12		
10	148	2	2			119	5	5			91	7	6			77	7	18			33	6	2			28	7	3			33	4	6			38	12	11		
11	148	3	4			119	6	2			90	7	5			75	12	16			33	4	2			26	8	2			33	4	8			43	7	16		
12	148	4	0			121	6	4			91	10	8			77	10	16			33	14	4			26	6	2			33	4	8			44	8	14		
13	150	2	2			121	6	2			91	14	6			77	10	19			33	14	4			26	10	6			33	6	6			45	7	17		
14	150	2	2			123	4	4			89	13	8			77	6	15			33	16	2			30	7	6			37	7	6			51	7	20		
15	150	4	2			123	4	4			89	14	8			71	12	11			33	18	4			34	6	6			39	4	4			46	8	12		
16	152	2	3			123	4	4			89	12	6			75	13	17			37	4	4			38	8	6			46	7	7			44	7	9		
17	152	2	4			121	6	4			94	11	5			79	6	8			43	12	6			48	4	6			46	7	3			44	6	8		
18	150	3	2			123	4	4			107	6	6			85	4	8			55	12	8			54	8	4			47	6	6			42	13	11		
19	152	2	2			127	2	4			109	6	2			87	6	5			61	6	10			56	4	6			45	8	4			34	16	6		
20	152	4	2			127	4	2			109	6	2			89	2	4			61	11	10			56	4	6			43	4	4			32	8	6		
21	152	4	2			127	4	2			111	4	4			89	4	6			61	6	8			54	4	6			43	4	4			32	8	6		
22	154	2	4			129	2	4			112	7	5			89	6	6			61	4	8			54	6	4			41	6	0			30	6	4		
23	152	4	2			129	2	2			115	2	5			87	8	4			59	8	8			54	6	6			43	3	7			30	2	6		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9N Long. 6.8 W Month November 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	152	2	3			128	4	4			116	6	8			84	4	4		
01	152	2	4			128	4	6			114	8	4			84	2	6		
02	150	4	2			128	4	4			114	4	4			82	4	4		
03	150	4	7			128	4	4			114	8	6			82	4	6		
04	151	4	3			128	5	5			112	6	10			82	4	6		
05	152	4	2			128	6	6			112	8	9			80	5	10		
06	152	2	5			128	4	7			104	9	6			78	7	12		
07	152	2	4			122	4	10			94	6	2			66	16	10		
08	148	3	4			114	4	4			100	5	10			*76				
09	*146					*113					96	10	8			*78				
10	148	3	4			118	8	13			94	6	12			69	18	11		
11	148	4	4			118	5	14			96	6	6			*76				
12	148	4	4			118	6	10			96	10	4			76	11	13		
13	149	3	4			118	4	12			96	8	8			78	8	12		
14	148	4	3			116	7	12			94	9	5			78	8	14		
15	148	4	2			114	7	12			96	5	7			*74				
16	150	2	4			116	4	12			96	8	10			74	11	11		
17	148	4	3			118	4	14			104	4	12			80	8	12		
18	149	3	3			122	6	10			107	7	10			82	4	16		
19	148	5	3			124	6	8			108	6	4			85	4	5		
20	152	2	4			125	5	11			110	4	10			84	6	6		
21	154	0	7			128	3	8			112	6	4			87	5	3		
22	154	2	4			128	4	7			112	4	4			86	4	6		
23	152	2	4			130	4	8			111	9	5			86	4	6		

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			54	4	4			40	3	5			26	6	4		
01	55	4	6			54	4	6			40	3	4			26	6	2		
02	54	3	5			54	4	6			40	2	4			25	3	3		
03	55	4	6			54	4	4			40	4	6			24	10	2		
04	53	4	5			54	2	6			40	4	8			24	4	2		
05	53	8	6			54	6	4			36	6	4			24	2	4		
06	53	4	6			52	2	4			40	6	8			26	7	3		
07	47	4	8			52	4	7			40	4	4			26	19	8		
08	37	10	4			42	8	17			36	7	2			43	21	12		
09	*35					35	13	7			40	9	9			42	14	10		
10	37	12	7			26	9	5			32	10	6			43	13	12		
11	33	8	4			28	4	7			36	6	8			44	4	14		
12	33	16	4			28	10	6			34	8	6			42	9	11		
13	33	13	4			28	8	8			34	12	10			46	5	15		
14	35	13	6			30	4	4			36	10	6			52	11	16		
15	35	14	4			36	9	8			42	6	5			44	11	7		
16	37	8	4			40	6	6			46	17	4			42	8	5		
17	43	7	4			48	6	6			49	13	9			36	11	6		
18	53	8	8			54	4	4			44	7	4			37	5	8		
19	57	4	10			55	3	3			42	4	4			34	25	6		
20	55	8	8			54	4	7			42	2	6			32	24	6		
21	55	6	2			54	4	6			42	4	6			30	11	2		
22	55	8	4			53	3	5			40	6	4			30	12	6		
23	55	6	4			54	2	4			40	4	6			26	9	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month September 1960

Frequency (Mc)

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	.113 Fam	Du	Dℓ	Vdm	Ldm	.246 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	130	10	8	11.5	16.0	117	12	13	10.0	16.0	99	12	8	9.5	14.0	83	12	7	7.5	12.5
01	130	10	8	10.0	16.5	113	16	7	10.0	17.0	101	10	10	10.0	16.5	83	14	6	7.5	12.0
02	130	11	6	10.5	17.0	118	14	11	10.0	16.5	101	11	11	9.0	15.0	85	10	8	8.0	11.5
03	132	10	10	10.5	17.0	119	12	14	10.5	17.5	103	7	15	9.5	16.0	83	12	9	5.5	9.5
04	130	12	8	9.5	15.5	117	15	16	9.0	15.0	99	14	12	9.0	17.0	85	12	12	7.5	13.5
05	130	11	9	10.0	17.0	119	10	20	9.0	15.0	100	9	18	10.0	17.0	79	12	8	7.5	12.0
06	129	7	12	10.0	16.0	109	9	21	*8.0	*14.5	78	18	10	*9.5	*14.0	83	7	6	*5.0	*7.5
07	126	8	18	11.0	17.0	103	15	18	8.5	15.0	75	33	8	*12.0	*21.0	83	6	4	*5.5	*7.5
08	126	8	22	11.0	18.5	101	18	16	8.5	12.0	80	16	10	*6.5	*21.5	87	9	9	*6.0	*9.5
09	126	10	22	*9.0	*14.0	105	14	15	*11.5	*18.0	85	26	14	*9.5	*18.5	87	4	8	*7.0	*9.0
10	126	12	22	14.0	20.0	105	22	17	*9.0	*14.0	83	11	9	*9.0	*14.0	85	16	2	*4.0	*5.5
11	124	11	17	*14.0	21.0	105	21	16	*13.0	*18.0	77	38	8	*10.0	*20.0	85	14	4	*11.0	*16.0
12	124	10	17	10.5	17.5	103	20	15	*8.5	*15.0	77	22	7	*9.0	*15.0	84	12	5	*8.0	*13.0
13	124	8	17	14.0	21.0	102	18	13	*12.5	*21.0	81	24	15	*9.5	*19.0	87	4	4	*8.5	*12.5
14	124	15	13	12.0	19.0	101	18	14	10.0	15.5	79	27	14	*10.5	*18.0	87	6	4	*8.0	*15.0
15	126	14	12	11.0	16.0	101	18	12	8.0	15.0	75	28	7	*11.0	*19.0	85	5	5	*6.0	*10.0
16	126	14	12	10.0	16.5	100	18	10	8.5	15.0	80	20	10	*6.5	*17.0	85	6	4	*7.0	*11.0
17	124	16	7	8.0	15.0	101	19	12	8.5	13.0	82	19	12	9.0	17.0	86	5	3	*7.5	*12.0
18	126	14	9	10.0	16.0	106	13	13	8.0	14.0	89	12	12	6.5	11.0	85	6	4	*6.5	*8.5
19	130	10	12	9.5	15.0	113	8	16	8.0	14.0	93	10	10	7.5	13.0	83	8	4	*5.0	*9.0
20	130	10	7	9.0	13.5	115	9	13	7.0	11.0	94	10	10	8.0	13.0	89	4	4	5.5	8.0
21	131	7	9	9.5	13.0	117	10	16	8.5	14.0	99	8	14	8.0	13.5	91	2	4	6.0	10.0
22	130	8	8	9.0	15.0	117	10	16	9.5	14.0	101	6	16	9.0	14.0	93	2	6	*4.0	*8.0
23	132	9	9	10.0	15.0	117	14	14	9.0	14.0	100	12	12	8.5	13.5	91	4	4	5.0	7.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	63	10	12	*5.0	*7.5	61	6	12	*5.0	*7.5	47	8	7	9.0	10.5	29	10	4	*6.0	*8.0
01	61	12	9	*7.0	*10.0	53	11	5	*6.0	*10.0	43	10	4	*9.0	*11.5	28	13	5	5.5	8.5
02	59	12	10	*6.0	*8.0	53	13	4	*6.0	*10.0	43	11	4	*8.0	*11.0	26	14	3	*5.0	*8.0
03	58	14	9	*5.0	*8.0	55	10	6	*8.5	*12.0	41	12	4	6.0	9.0	25	8	2	6.0	8.0
04	55	6	6	*4.5	*9.5	55	10	6	6.0	11.0	41	13	5	7.5	9.5	25	6	4	5.0	6.0
05	61	10	12	7.0	11.0	57	9	10	*7.0	*11.0	40	13	7	7.0	12.5	23	7	2	3.5	5.0
06	53	14	6	6.0	11.0	57	10	10	*8.5	*11.0	44	9	7	6.0	10.5	23	8	0	*4.0	*5.0
07	41	21	10	*9.0	*11.0	45	16	9			43	13	10	*7.0	*12.0	25	9	2	5.0	8.0
08	35	11	7	*8.0	*10.5	44	11	7	*9.0	*11.5	*41			*7.0	*9.0	25	11	2	*6.0	*8.0
09	31	28	3	*7.5	*9.0	39	18	8	*7.5	*10.5	41	8	8	*6.0	*8.5	25	14	4	6.0	8.0
10	35	38	7	*8.0	*11.0	37	30	10	*6.0	*8.5	37	12	6	*7.0	*12.5	25	12	4	*4.0	*7.0
11	33	18	4	*5.0	*8.0	31	29	5	*9.5	*14.0	37	15	10	*10.0	*14.0	26	11	6	*3.0	*6.5
12	32	37	3	*4.0	9.5	33	26	8	*8.0	*10.5	31	14	6	*8.5	*12.5	25	7	4	*5.0	*8.0
13	31	28	2	7.0	8.0	33	11	4	*9.0	*12.5	35	8	8	*6.0	*6.5	25	2	4	5.5	7.0
14	33	14	4	*5.0	*9.0	33	16	4	*9.0	*10.5	33	10	4	*5.0	*9.5	27	2	4	*5.0	*7.0
15	33	20	4	6.0	8.0	33	16	8	*6.5	*12.0	37	10	10	*7.0	*10.0	28	5	3	4.5	7.0
16	33	24	4	*6.0	*7.0	39	14	6	*5.0	*9.0	41	6	8	6.5	10.0	29	6	2	5.5	7.5
17	37	22	6	*5.0	*6.5	50	9	7			44	5	5	*6.5	*11.0	31	4	4	*7.0	*7.5
18	49	20	8	5.0	7.5	61	6	6	*8.0	*12.5	47	6	6	*5.0	*7.0	31	6	6	5.0	7.0
19	63	9	14	*5.0	*7.5	63	4	7	*7.0	*12.0	47	4	4	*9.0	*9.0	31	6	4	*5.0	*7.0
20	63	8	10	4.5	7.5	62	9	5	*5.0	*8.0	48	5	5	5.5	9.5	31	6	4	*6.5	*9.0
21	61	10	4	*5.0	*9.0	63	10	4	*6.0	*8.0	49	4	6	6.0	7.5	32	12	7	*6.0	*8.0
22	63	9	9	*5.5	*7.0	65	6	6	6.0	8.0	47	6	8	*5.0	*9.0	31	6	6	*6.0	*7.5
23	63	10	10	5.0	8.5	67	4	8	*8.0	*10.5	49	4	10	6.5	9.5	29	13	2	*4.5	*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. 23.3S Long. 45.8 W Month October 1960

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	134	7	8	8.5	12.5	123	8	12	7.0	12.5	106	7	11	6.5	12.0	92	6	8	6.0	11.0	60	17	11	6.0	10.0	63	6	13	6.5	9.5	49	6	7	*5.5	*9.0	34	18	8	5.0	7.5
01	134	9	9	8.0	14.0	124	7	11	8.0	14.0	106	6	10	8.0	13.5	90	7	6	7.5	12.0	63	10	11	6.5	11.0	65	8	15	5.5	9.0	48	10	6	6.0	10.0	31	17	6	4.0	6.5
02	132	10	8	9.0	14.5	123	6	12	8.0	13.0	104	4	11	8.0	14.0	90	6	10	8.0	14.0	62	12	9	5.0	9.0	61	8	12	5.5	9.0	48	9	6	5.5	10.0	31	19	7	*2.0	4.0
03	132	8	7	8.0	14.5	121	8	12	7.0	12.0	102	6	10	6.0	13.0	88	5	8	6.5	11.5	60	10	9	6.5	10.0	61	8	8	6.5	9.5	48	9	9	6.5	10.0	27	18	4	*2.5	*4.5
04	130	11	8	9.0	16.0	121	8	14	7.5	13.0	100	6	8	6.0	12.5	86	6	6	6.5	12.0	58	14	4	5.0	9.0	63	7	13	5.5	8.5	46	8	9	5.0	8.0	27	14	4	*3.0	*4.5
05	128	13	8	9.0	15.5	113	14	12	7.5	14.0	86	14	11	*7.0	*12.0	74	14	12	*8.5	*13.5	54	18	7	6.0	11.0	57	10	14	5.0	9.5	50	6	14	6.5	10.0	27	12	5	*2.0	*4.0
06	122	9	11	8.5	14.5	99	12	8	7.0	11.0	74	13	8	*1.5	*1.5	87	4	19	*5.0	*5.5	42	18	12	5.5	8.0	55	5	11	*9.0	12.0	46	6	12	5.5	8.5	29	10	4	*4.0	*6.0
07	118	10	11	8.0	13.5	101	10	10	*4.5	*8.5	76	11	8	*7.0	*11.5	88	4	6	*3.5	*7.5	30	17	7	4.0	6.0	46	5	6	7.5	10.5	40	8	7	5.0	8.0	29	6	4	3.0	3.5
08	118	9	10	*8.5	*15.0	101	8	10	6.0	10.0	74	10	4	*3.0	*7.0	90	7	6	*3.5	*6.0	32	20	10	*5.0	*7.0	41	6	8	*6.5	*11.0	*36			*8.5	*12.0	27	6	4	*2.0	*4.5
09	118	10	6	6.0	12.5	103	10	13	*5.5	*10.0	75	7	3	*4.0	*8.0	91	5	9	*4.5	*7.0	30	14	8	4.0	6.0	37	9	8	*8.5	*12.5	32	11	4	*5.5	*8.0	27	4	5	2.5	5.0
10	120	8	7	7.0	13.0	103	8	13	6.0	10.0	76	16	4	*6.5	*12.0	92	3	3	*5.0	*7.5	30	18	10	4.5	7.0	37	12	8	10.0	13.5	32	10	6	6.0	8.5	25	6	2	3.0	5.5
11	124	6	10	8.0	13.0	102	9	9	8.0	13.0	78	17	4	*8.0	*12.0	90	5	4	*3.0	*6.5	30	21	6	4.5	5.5	31	14	4	*4.5	*7.0	30	14	6	*6.5	*8.5	25	14	2	3.0	5.5
12	126	10	6	9.0	15.5	106	15	10	7.5	14.0	78	19	4	*10.0	*14.5	88	7	2	*4.0	*7.0	33	24	11	4.0	7.5	34	28	7	*7.0	*8.5	34	16	8	7.0	8.0	27	18	4	2.0	4.5
13	130	12	8	7.5	12.5	109	18	10	9.6	17.0	87	32	11	*11.0	*21.0	92	16	4	*4.0	*7.0	42	31	16	9.0	15.0	39	24	8	9.5	12.0	36	20	6	5.5	8.0	29	16	4	4.0	6.0
14	132	10	6	8.5	14.0	113	24	14	*10.0	*18.0	94	28	18	*11.0	*22.0	94	12	6	*9.5	*17.5	42	27	20	*11.0	*15.0	45	32	14	*10.0	*15.0	40	19	10	6.5	9.5	29	13	2	6.0	7.5
15	134	12	6	10.0	16.0	123	12	18	9.0	19.0	99	20	20	10.0	20.0	94	14	12	*7.5	*15.0	51	27	25	7.5	10.5	50	27	15	8.0	12.0	42	20	7	5.5	7.5	33	18	4	3.0	5.0
16	136	14	10	7.5	15.0	121	18	21	8.5	18.0	106	17	27	12.0	22.0	96	12	10	*5.5	*10.5	52	18	20	7.6	13.0	61	14	22	7.0	11.0	46	12	6	5.0	8.0	37	17	7	*4.0	*6.0
17	134	12	6	*7.0	*13.0	125	13	22	7.0	14.0	106	16	25	11.0	19.5	94	22	7	*11.5	*18.0	56	15	16	9.0	11.5	60	11	9	6.0	11.0	48	10	6	5.0	8.0	37	16	6	3.5	6.5
18	136	14	9	*7.0	*13.5	119	19	18	6.5	13.5	102	21	13	*7.0	*14.5	94	13	6	*5.0	*7.0	56	22	10	3.5	8.5	65	10	8	*4.0	*8.0	49	16	6	4.0	7.0	37	19	8	*3.0	*5.5
19	134	10	6	6.5	11.0	123	11	13	6.0	11.5	102	17	7	6.0	11.0	93	12	5	4.5	7.5	63	19	9	4.0	7.0	67	8	8	5.0	8.0	52	10	6	5.0	8.0	35	20	6	*3.5	*7.0
20	136	6	7	6.5	11.0	123	6	12	*8.5	*12.5	104	12	9	7.0	11.5	94	9	2	3.5	6.5	64	14	10	4.5	8.0	67	6	6	4.0	7.5	50	8	4	5.0	7.5	34	17	5	*10.5	*14.0
21	136	6	8	7.0	11.5	125	6	15	7.5	12.5	106	10	12	7.5	14.0	94	7	2	4.0	8.5	64	12	8	5.0	8.5	67	4	8	*4.0	*8.5	51	7	7	5.0	7.5	37	11	10	*3.5	*6.0
22	136	4	10	7.0	13.0	125	7	16	6.0	11.0	106	5	11	7.5	13.0	96	3	4	*6.0	*8.5	63	13	9	6.0	8.5	67	6	5	5.0	8.0	49	9	5	5.5	9.0	31	19	3	*5.0	*7.5
23	136	5	10	6.5	13.0	123	9	12	6.0	9.0	107	6	12	6.5	10.5	96	3	4	*5.0	*7.5	60	15	14	6.0	10.0	69	4	9	6.5	10.0	48	9	7	6.5	10.0	32	14	5	*4.0	*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 São José, Brazil Lat. 23.3 S Long. 45.8 W Month November 19 60

Frequency (Mc)

Hour (LST)	.051 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.113 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.246 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.545 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	133	6	4	11.0	18.0	117	9	5	10.0	17.0	102	7	5	11.0	18.0	89	5	5	8.0	13.0
01	131	8	4	11.5	18.5	117	7	6	9.5	14.0	102	8	4	10.0	14.5	87	6	4	9.0	14.0
02	131	6	6	12.5	19.0	116	10	6	*9.5	*14.0	100	9	4	9.0	14.0	88	6	6	9.0	14.5
03	131	7	5	11.0	19.0	115	8	8	*10.0	*16.5	98	11	6	*9.0	*14.0	85	7	5	8.0	14.0
04	130	6	5	*12.0	*19.0	115	6	8	*10.0	*16.0	95	10	6	11.0	16.5	80	9	4	*8.0	*15.0
05	123	6	6	*12.0	*17.5	99	11	4	*6.5	*11.5	76	18	4	*9.5	*13.0	67	14	8		
06	121	9	8	*12.0	*19.0	97	12	6	*9.0	*15.0	78	10	6	*9.0	*15.0	87	6	21	*7.5	*12.5
07	120	8	8	*13.0	*20.5	101	8	10	*6.5	*10.0	77	10	2	*8.0	*11.0	87	4	18	*4.0	*9.0
08	119	8	10	*10.0	*17.5	102	9	11	*9.0	*14.0	*81			*10.5	*16.0	89	6	21	*7.0	*10.0
09	120	7	9	*12.0	*19.0	99	10	8	*9.5	*14.5	82	6	8	*13.5	*18.5	89	4	15	*8.0	*11.5
10	123	5	11	*11.0	*19.0	97	16	5	*7.5	*12.5	82	13	8	*7.0	*8.0	87	6	16	*5.5	*13.5
11	125	9	7	*11.0	*18.0	105	19	9	*11.0	*18.0	86	24	7	*12.0	*17.5	87	11	8	*6.0	*9.0
12	129	14	6	10.0	16.0	107	23	4	*11.0	*16.0	94	20	17			87	12	6	*14.0	*18.0
13	133	10	10	*9.5	*14.0	115	15	8	*11.0	*16.0	100	17	19	*13.0	*20.0	93	10	4	*11.0	*19.5
14	133	8	6	*10.0	*14.0	119	12	13	*11.0	*16.0	98	18	10	*12.5	*21.5	93	13	6	*13.5	*20.0
15	137	6	6	9.5	13.5	118	12	10	*13.0	*19.0	105	14	21	*11.5	*19.5	95	6	8	*7.0	*11.5
16	137	8	6	10.0	13.5	119	14	12	9.5	14.5	98	20	10	*13.5	*21.0	89	21	6	9.5	13.5
17	135	13	6	8.0	12.5	117	18	9	*9.0	*14.0	98	20	15	12.0	21.0	91	13	7	*5.5	*11.0
18	135	12	6	11.5	15.5	117	16	9	*8.0	*13.0	100	21	10	*8.5	*13.0	91	14	4	*7.5	*15.5
19	136	11	6	9.0	14.0	117	12	4	8.5	14.5	102	12	6	8.5	13.0	93	4	6	7.0	11.0
20	137	4	6	11.0	14.0	121	9	4	*10.0	*16.5	104	14	4	*9.0	*14.5	96	7	5	*9.0	*16.0
21	135	7	5	10.5	15.5	119	9	4	*9.0	*17.0	106	7	6	*11.5	*18.0	95	2	5	*7.0	*11.0
22	135	4	4	9.5	15.0	119	10	6	11.5	20.0	106	6	6	*10.0	*15.0	95	3	7	*6.0	*10.0
23	134	5	5	10.0	17.5	119	7	3	10.0	16.5	105	6	5	12.0	19.0	94	4	6	*8.0	*11.0

Hour (LST)	2.5 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	5 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	10 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	20 F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	*65			10.0	12.5	56	8	4	*10.0	*12.5	49	4	4	10.5	13.5	34	7	4	8.0	8.5
01	*65			11.0	14.0	58	4	8	*13.5	*16.0	51	4	6	*12.0	*15.0	33	5	3	7.5	7.5
02	*65			*12.5	*15.0	56	4	4	*12.5	*17.5	49	6	4	*10.0	*13.0	30	10	2	6.5	7.0
03	*62			*12.5	*17.5	*56			*10.0	*15.0	48	5	5	*10.0	*13.0	30	8	2	6.0	6.0
04	*63			*11.5	*14.5	60	2	10	*12.0	*15.5	48	5	7	*5.5	*7.0	30	8	2	6.0	6.0
05	*55			*10.0	*14.0	52	8	6	*13.5	*16.0	47	6	6	*8.5	*10.0	31	3	3	4.0	6.0
06	47	10	8	*10.0	*14.0	*49			*12.5	*15.0	45	4	8	*9.5	*14.0	30	2	2	5.0	6.0
07	39	7	6			42	4	12	*14.5	*17.5	41	6	6	*13.5	*17.5	28	7	0	5.5	6.0
08	39	13	8			42	8	12	*13.0	*15.5	39	6	6	*14.0	*16.5	28	3	2	6.0	6.5
09	39	9	8			36	12	12	*11.5	*17.0	39	6	6	*10.0	*12.5	28	2	4	6.0	6.0
10	37	8	6			36	14	7	*17.5	*22.0	39	4	10	*11.5	*14.0	28	5	3	4.0	5.0
11	41	18	10	*7.0	*9.0	38	18	10	*11.5	*15.0	37	6	7	*11.5	*14.0	28	6	3	5.0	5.0
12	39	27	8	*13.5	*16.0	36	18	9	*16.0	*20.0	39	8	6	*11.5	*14.5	29	6	2	5.0	6.5
13	51	18	16	*14.5	*17.5	40	18	8			43	6	7	*9.0	*11.5	32	8	4	8.0	8.0
14	54	17	16	*14.5	*19.5	48	12	13	*11.0	*15.0	45	7	8	*9.5	*11.5	32	9	1	7.0	8.0
15	57	12	16	*14.0	*19.0	51	8	11	*7.5	*9.0	47	5	3	*10.5	*12.0	36	4	6	7.0	7.5
16	55	16	14	*16.0	*18.5	50	11	4	10.0	12.0	49	3	4	*9.0	*11.5	36	6	4	6.5	7.5
17	54	21	13	*13.0	*19.0	56	8	6	*9.0	*11.5	51	4	2	*8.0	*10.0	36	5	5	6.0	7.5
18	60	14	5	*10.0	*12.0	62	2	2	*7.5	*11.5	53	2	4	*9.0	*10.0	33	10	3	7.0	7.0
19	69	8	3	*8.5	*10.0	62	6	1	*10.0	*12.0	51	6	2	*8.0	*10.0	34	4	4	6.0	7.0
20	71	8	4	*8.5	*11.0	62	6	2	*13.0	*14.0	51	7	2	*8.5	*11.0	36	4	6	8.0	9.0
21	69	6	2	11.5	12.5	62	3	3	*10.5	*13.0	51	4	2	*8.0	*10.0	34	6	4	7.0	8.0
22	*69			*11.0	*13.0	*66			*9.0	*13.0	51	6	2	*9.0	*12.0	32	10	4	6.0	7.5
23	65	6	2	10.5	13.5	62	2	5	*9.5	*12.0	50	5	3	*10.5	*12.0	34	7	4	6.5	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

MONTH-HOUR VALUES OF RADIO NOISE

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

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	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	163	2	4			143	4	4			122	5	2			95	5	5			66	4	5			59	6	2			48	3	2			27	2	2		
01	163	4	4			143	6	4			122	6	4			95	8	4			68	4	6			61	2	4			46	4	2			25	4	1		
02	163	4	4			143	4	5			122	5	4			95	9	5			68	4	4			61	4	4			44	4	5			25	4	2		
03	161	7	2			141	8	4			120	10	3			95	9	7			68	4	4			61	3	4			44	4	5			25	3	2		
04	163	4	4			141	6	4			122	7	6			95	7	9			68	4	7			59	5	3			44	4	10			23	4	0		
05	161	6	4			141	7	6			119	6	7			85	13	7			68	4	8			57	5	6			40	4	8			23	2	0		
06	159	4	4			135	7	6			113	10	11			81	15	13			58	4	8			53	5	4			42	4	2			27	2	3		
07	159	5	2			135	6	9			112	13	16			82	13	20			50	9	10			45	7	8			41	3	6			35	13	10		
08	157	6	3			135	6	10			112	12	11			78	17	17			39	14	7			41	4	12			36	6	6			27	20	6		
09	157	8	2			131	12	7			106	18	9			81	16	22			33	18	5			32	10	8			30	5	8			23	6	2		
10	159	9	5			135	12	8			110	12	11			81	17	17			36	17	8			33	12	10			30	5	10			21	6	0		
11	159	4	6			133	8	6			114	14	14			83	18	16			36	18	6			33	12	10			32	8	8			23	9	2		
12	161	10	6			138	13	11			118	16	14			97	18	21			37	34	7			33	33	7			32	19	10			25	15	4		
13	165	10	4			138	13	8			124	8	15			97	14	18			56	18	22			41	18	14			37	11	11			27	9	4		
14	165	6	6			144	9	10			122	12	11			99	12	13			59	17	23			48	15	17			38	12	8			28	9	5		
15	165	4	6			144	7	7			122	8	9			99	7	11			57	15	17			47	13	9			38	7	4			27	4	2		
16	165	4	4			143	7	7			122	8	9			95	9	10			55	13	7			49	8	8			42	4	2			29	6	3		
17	165	3	4			141	6	5			118	7	8			91	6	5			58	9	10			53	1	4			46	2	3			29	4	2		
18	161	4	4			141	6	6			122	3	4			95	6	5			60	6	2			59	4	2			46	4	2			29	5	2		
19	159	6	2			141	6	3			122	6	4			95	5	4			66	4	4			61	2	2			46	3	2			27	4	4		
20	161	4	2			141	5	4			122	4	4			93	6	4			66	4	4			63	2	2			48	2	2			29	6	2		
21	161	4	4			141	4	2			122	4	5			93	5	4			66	4	4			61	2	2			48	4	2			31	4	3		
22	161	3	2			141	6	5			122	4	5			95	4	5			66	4	6			61	2	3			50	2	3			31	1	2		
23	161	4	4			141	6	2			122	4	4			95	4	5			66	4	6			61	3	3			48	2	2			31	4	3		

Frequency (Mc)

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	162	3	3	*11.0	*16.5	144	4	8	*12.5	*19.0	121	6	6	*11.0	*19.5	97	6	10	10.0	18.0	68	4	6	*9.5	*15.0	61	2	4	*6.0	*11.5	48	2	6	*4.0	*6.5	27	2	4	3.5	6.0
01	163	2	4	*11.0	*17.0	144	4	6	*12.0	*19.5	124	3	9	*10.5	*19.0	97	6	6	7.5	16.0	68	6	4	*8.0	*15.0	61	2	4	*6.5	*11.0	46	4	4	6.0	9.0	26	5	3	3.0	5.0
02	163	2	4	*11.0	*18.0	144	2	6	12.5	19.5	123	4	8	*13.5	*23.0	98	5	7	10.5	18.0	68	4	4	*8.0	*14.0	61	2	6	6.0	10.5	44	4	4	*5.0	*8.0	25	2	2	4.0	6.0
03	161	4	2	*10.0	*15.0	142	6	6	*13.0	*19.5	123	4	10	*11.5	*20.0	98	5	7	12.5	21.0	70	2	6	*8.5	*15.0	61	4	2	*6.5	*10.5	44	2	4	4.5	7.0	25	4	4	3.0	4.5
04	161	6	2	*9.5	*14.0	142	4	6	*12.5	*21.5	123	4	6	*10.0	*20.0	96	7	7	9.0	19.0	69	3	7	*9.0	*16.0	60	3	3	6.5	11.5	42	4	4	5.0	7.0	23	4	2	3.0	4.5
05	161	6	2	*12.5	*18.5	140	6	6	*13.0	*21.0	117	10	10	*13.0	*21.5	89	12	14	12.0	22.0	66	6	6	*8.5	*15.5	57	4	4	6.5	10.0	41	3	7	4.0	6.0	23	2	0	*3.5	*6.0
06	161	2	4	*11.5	*19.5	136	6	12	*15.0	*23.0	113	12	16	*14.0	*24.0	88	11	18	14.5	21.5	57	7	7	*9.0	*14.5	57	4	4	*7.0	*13.0	42	4	2	*6.5	*9.5	26	5	1	*6.0	*8.5
07	159	6	4	*13.0	*20.0	136	8	10	*15.0	*24.0	115	10	16	>19.5	>28.5	85	14	16	14.0	19.0	51	7	9	*11.0	*16.5	45	6	6	*13.5	*19.0	38	6	2	*9.0	*14.0	25	15	2	*5.5	*9.5
08	159	2	2	*15.0	*21.0	136	4	10	*16.0	*24.0	110	11	14			81	18	16	18.0	23.5	44	14	6	*11.0	*17.5	41	8	6	*15.0	*20.0	36	4	6	*11.5	*16.0	23	8	2	*5.0	*7.0
09	*157			*13.5	*17.5	132	14	10	*14.5	*20.5	103	24	10			73	26	6			40	14	12	*5.0	*5.5	33	16	8	*11.5	*16.0	31	11	5	*10.5	*16.0	21	8	0	*4.5	*6.5
10	157	6	4	*15.0	*22.5	*130					*109			*16.0	*19.0	*85					38	22	10	*7.5	*10.0	*32					*32			*7.5	*12.0	*22			*10.5	*12.5
11	*158			*14.0	*18.0	*133			*16.0	*25.5	111	18	14	*16.0	*23.0	90	20	24	12.0	16.5	*45			*8.0	*14.5	*37			*17.0	*26.0	32	17	6	*13.5	*20.0	23	12	2		
12	161	14	5	*12.5	*21.0	139	15	14	*16.5	*24.0	119	13	19	*13.5	*24.5	99	14	19	13.5	23.0	51	26	22	*11.5	*18.0	41	18	14	*11.0	*19.0	36	14	12	*12.0	*18.0	25	14	4	*8.0	*12.0
13	163	9	6	*13.5	*21.0	140	18	10	*13.0	*23.0	117	16	10	*13.5	*22.5	95	20	14	13.0	23.5	52	27	18	*6.5	*9.0	47	22	20	*12.0	*20.0	38	14	11	*11.0	*18.0	29	15	6	*4.0	*5.5
14	163	12	6	*12.5	*19.5	144	16	10	*14.5	*23.0	124	13	11	*11.5	*21.5	104	11	19	12.0	21.0	58	24	23	*13.5	*18.5	50	23	20	*12.0	*20.5	42	14	8	*8.0	*14.0	33	10	6	*6.0	*10.5
15	165	10	8	*15.0	*22.5	148	10	16	*13.0	*22.0	123	10	12	*12.5	*22.0	101	12	18	11.5	21.0	60	22	24	*6.5	*14.0	49	15	16	*6.0	*13.5	43	9	7	7.0	11.0	31	8	6	*3.5	*5.0
16	167	6	8	*12.5	*19.0	146	6	14	*13.5	*20.5	121	8	12	*13.0	*22.0	97	6	14	12.5	21.0	56	20	16	*10.0	*14.5	51	6	8	*8.5	*14.0	44	4	4	5.0	8.5	30	7	5	*5.5	*8.5
17	164	5	5	12.0	19.0	144	8	12	*14.0	*21.5	119	10	8	*14.0	*21.5	95	10	12	8.0	18.0	58	8	14	*6.5	*13.5	53	8	2	*7.0	*11.0	46	8	2	5.0	8.0	29	8	2	*5.5	*8.0
18	165	4	8	*14.5	*20.5	144	6	8	*12.5	*20.5	125	6	10	*11.5	*20.0	97	8	8	9.0	17.0	64	6	4	5.5	10.0	61	4	4	*4.0	*7.0	48	4	6	*6.0	*9.5	25	4	2	*4.5	*6.0
19	163	4	6	*13.0	*19.0	142	6	4	*11.0	*19.5	121	6	6	9.5	17.0	95	6	4	9.5	17.0	66	4	6	*7.0	*13.0	62	3	3	5.0	7.0	46	6	4	*5.0	*8.0	27	2	2	*4.0	*5.5
20	162	3	5	10.5	15.0	143	5	7	*14.0	*21.0	121	6	6	*9.0	*16.5	95	6	6	10.0	18.0	67	5	7	7.0	12.5	63	2	4	*4.5	*7.0	48	8	4	5.0	7.5	27	6	0	*3.5	*5.5
21	161	6	4	*12.5	*15.5	142	7	8	*13.5	*20.0	121	6	6	*13.0	*21.0	94	9	7	11.0	19.0	68	4	6	8.0	14.5	63	4	4	5.0	8.0	48	4	4	*5.0	*7.5	31	2	4	*4.5	*7.0
22	161	6	4	*11.0	*16.0	142	6	8	*14.0	*20.0	119	8	6	*12.5	*22.0	95	6	8	10.5	19.0	66	4	4	8.0	15.0	60	5	3	6.0	11.0	48	4	4	*3.5	*6.0	29	2	2	4.0	6.5
23	161	6	4	9.0	14.0	142	6	6	*11.5	*18.0	121	6	8	*12.0	*20.5	95	8	6	8.0	16.5	66	6	4	*9.0	*15.0	61	4	4	*6.5	*11.5	48	4	4	*6.5	*9.5	27	2	2	*7.0	*10.0

F_{am} = median volue of effective antenna naise in db above ktb
D_u = ratia of upper decile to medion in db
D_ℓ = ratia of median to lower decile in db
V_{dm} = median deviation of average voltoge in db below mean pawer
L_{dm} = median deviatian of average logarithm in db below meon power

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	159	4	3	9.5	16.0	137	6	4	*10.0	*16.5	118	6	4	*10.5	*18.5	93	4	6	*11.5	*21.0	64	6	4	9.5	16.5	59	4	2	6.0	11.0	47	3	3	5.0	8.0	25	4	2	2.0	4.0
01	159	4	2	10.0	17.0	137	4	4	*10.5	*18.0	118	4	4	*12.5	*21.0	91	3	4	*12.0	*21.0	66	4	4	9.0	17.0	59	3	2	7.0	12.0	46	3	4	6.0	9.5	25	2	3	3.0	4.0
02	159	2	3	10.0	16.0	137	4	3	*13.0	*21.0	118	6	4	*12.5	*21.5	91	9	4	11.5	20.0	66	4	4	9.0	16.0	61	0	3	6.5	11.5	46	0	5	5.5	9.5	23	6	1	2.0	3.5
03	157	6	2	9.0	14.5	135	6	2	11.5	21.0	116	6	4	*11.5	*22.0	90	9	5	*11.5	*21.0	66	5	4	9.0	16.0	61	3	4	5.0	10.0	44	2	6	5.5	9.0	24	3	2	2.5	4.0
04	159	2	4	11.0	16.0	135	4	2	12.5	21.0	114	10	4	*13.5	*24.0	89	10	5	12.0	21.5	66	3	4	10.0	17.5	59	4	2	7.0	12.0	43	3	5	6.0	9.0	23	4	0	2.5	4.0
05	157	4	1	*9.5	*15.5	133	4	4	*13.5	*20.5	108	8	6	*15.0	*24.0	79	9	6	*13.0	*19.0	62	6	5	*11.0	*18.0	57	2	4	7.0	11.0	42	2	5	4.5	7.5	23	5	0	2.5	3.5
06	157	2	2	10.0	16.0	129	6	6	*13.5	*20.5	104	12	12	*15.5	*26.5	72	15	5	*11.5	*17.0	53	5	7	*11.0	*17.0	49	4	4	8.0	11.5	40	4	2	5.0	8.5	25	2	2	4.0	6.0
07	155	3	2	13.0	18.0	125	6	6	*14.0	*22.0	102	4	10	*16.5	*27.5	73	5	8	*4.0	8.0	42	11	4	*5.0	*8.5	37	9	4	*11.0	*17.0	36	4	4	9.0	13.5	23	4	0	3.5	5.0
08	155	4	4	13.0	20.0	125	6	6	*16.0	*25.0	96	10	7			72	7	6	*10.0	*15.0	40	5	3	3.5	6.5	31	8	2	*8.5	*13.0	30	6	5	10.5	15.5	23	2	2	3.5	5.0
09	154	5	1	12.5	20.0	127	4	6	*17.0	*26.0	100	16	4	*13.5	*24.5	71	17	3	*3.0	*8.0	40	2	2	*3.5	*7.0	*35			*11.0	*15.0	29	8	4	*11.0	*14.5	23	0	2	*4.5	*6.0
10	155	3	3	*13.0	*19.0	*128			*15.0	*24.0	101	17	8	*15.0	*26.0	73	13	4	*7.0	*12.0	41	10	4	*5.0	*8.0	*27			*9.5	*12.0	26	7	6	*10.5	*16.0	21	2	0	3.0	4.0
11	155	4	4	13.0	20.0	127	7	4	13.0	22.5	102	12	10	*15.5	*26.0	72	13	3	*10.0	*15.5	40	6	4	3.5	6.5	29	8	4	*10.0	*15.0	28	6	4	*7.5	*10.0	23	2	2	*3.5	*5.0
12	157	4	6	11.5	19.0	131	4	6	12.0	20.0	106	10	8	15.0	24.5	77	12	5	*9.5	*17.0	40	4	4	*3.0	*6.0	29	8	4	*7.5	*11.0	28	7	7	*9.0	*14.0	23	7	2	3.0	5.0
13	159	3	5	11.0	19.0	133	6	5	11.0	19.0	109	13	7	13.5	23.5	83	19	10	*11.0	*21.0	40	15	2	4.0	8.0	30	23	3	*9.0	*14.0	34	5	6	10.0	15.5	27	4	2	*3.5	*6.0
14	159	4	4	11.0	20.0	137	6	6	12.5	21.0	114	12	10	*15.0	*24.0	87	16	10	*12.0	*22.5	42	24	4	*6.5	*10.5	38	25	5	*11.0	*17.5	38	6	6	*9.0	*15.0	29	2	2	*5.0	*8.0
15	161	4	4	12.5	19.5	137	8	6	13.0	22.0	116	14	10	*13.0	*22.0	89	20	11	*10.5	*19.0	46	20	8	*7.5	*13.0	45	10	8	*9.5	*15.5	40	9	2	6.5	10.0	29	7	4	3.5	6.5
16	161	7	4	12.0	20.0	137	8	5	13.5	23.5	116	9	14	*15.5	*25.5	89	15	8	*14.0	*23.5	52	23	10	*9.0	*13.5	49	11	5	*9.0	*17.0	44	2	2	5.0	8.0	28	7	3	*3.0	*6.0
17	161	4	7	12.5	20.0	137	9	8	*14.5	*24.0	114	10	8	*12.5	*21.5	91	11	8	*10.0	*18.5	58	10	8	6.0	11.0	55	5	5	6.0	11.0	46	3	2	4.0	6.5	27	5	2	*4.0	*7.0
18	159	6	6	13.5	20.5	138	5	5	*13.0	*23.0	120	3	7	*10.5	*20.0	95	5	6	*10.0	*19.0	64	5	4	6.0	10.0	59	4	2	4.0	6.5	47	3	3	5.0	8.0	27	4	3	4.0	6.5
19	159	6	4	11.0	17.5	137	7	6	13.0	23.0	118	6	4	10.5	21.0	95	6	8	9.0	17.0	64	4	3	7.5	13.0	61	2	4	4.0	6.5	46	3	4	5.5	9.0	27	2	3	4.0	6.5
20	157	6	2	*9.0	*14.0	137	4	6	13.0	22.0	118	6	6	11.0	21.0	94	5	6	*9.0	*18.0	64	4	4	7.0	11.5	61	2	6	2.5	5.0	46	4	2	5.0	7.5	29	2	2	3.5	5.5
21	159	3	4	*8.0	*13.0	137	5	5	12.5	20.5	118	5	6	11.5	21.5	91	6	3	9.0	18.0	62	6	6	8.0	13.5	59	4	2	3.5	6.5	48	3	4	4.0	7.0	29	2	2	3.5	5.5
22	159	3	4	9.0	15.0	137	4	4	11.0	18.5	118	5	4	*11.5	*20.5	93	6	6	10.0	19.0	63	5	7	9.0	16.0	59	2	4	6.0	10.5	48	2	5	4.5	8.0	29	2	4	3.0	5.0
23	159	4	2	9.5	15.0	137	6	4	11.0	17.5	118	8	5	12.0	22.0	93	6	6	*9.5	*17.0	64	5	4	9.0	16.0	59	2	4	6.0	11.0	46	4	4	5.0	8.5	27	4	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Fall (Sept. Oct. Nov.) 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	168	5	5	12.0	18.0	168	7	5	13.0	19.0	165	6	4	13.0	19.0	170	7	4	11.0	16.5	168	5	4	10.5	16.0	167	4	4	11.5	17.5
.051	145	6	5	11.0	17.5	142	10	8	13.5	20.0	136	13	8	14.0	21.0	141	11	6	11.5	17.5	141	7	6	10.5	16.5	142	5	5	9.5	16.0
.160	123	7	6	8.5	15.0	118	12	13	13.0	21.5	112	16	15	13.0	22.0	118	14	13	12.5	18.0	118	9	7	10.5	16.5	121	6	5	7.5	13.0
.495	98	8	6	7.0	12.5	91	16	13	9.5	16.5	85	19	15	8.0	14.5	91	20	16	9.5	16.0	93	11	7	7.0	11.5	97	6	4	6.0	11.0
2.5	71	4	5	6.5	11.5	64	8	7	8.5	15.5	44	18	12	5.5	11.0	47	25	14	9.0	13.0	59	11	10	7.5	12.5	67	5	6	6.0	10.5
5	62	3	3	5.5	9.5	57	6	6	7.0	13.0	37	13	13	10.0	17.0	40	21	12	10.5	17.0	58	7	5	5.5	9.5	62	5	4	5.0	8.5
10	45	4	6	5.0	8.5	42	6	5	5.5	9.5	34	8	7	10.0	16.0	38	12	7	8.5	13.5	48	3	3	5.0	8.5	48	3	3	5.0	8.0
20	25	6	2	2.0	4.0	26	6	3	3.0	4.5	28	4	3	4.0	6.5	31	9	3	5.0	7.0	31	3	3	4.0	6.0	27	4	3	3.5	5.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Fall (Sept. Oct. Nov.) 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	159	4	4	10.5	17.0	157	4	4	11.0	17.5	156	6	4	11.0	17.0	159	5	5	9.5	15.0	158	6	4	10.0	15.5	159	5	4	10.0	16.5
.051	132	5	10	8.0	15.5	125	5	11	10.0	18.0	118	13	8	11.0	18.5	126	10	11	9.0	15.5	132	9	13	8.0	15.0	133	6	8	7.5	14.5
.160	111	6	9	9.0	16.0	95	14	11	8.0	15.0	86	21	10	7.5	12.5	96	16	11	7.5	12.0	107	9	12	7.0	13.0	110	8	12	8.0	14.0
.495	90	7	9	6.5	14.0	72	11	8	6.0	11.5	65	12	5	4.0	6.5	73	15	11	6.0	11.0	84	11	18	6.0	10.5	90	8	9	7.0	12.5
2.5	61	9	7	5.0	7.5	52	9	5	4.0	12.0	47	7	4	2.0	4.0	50	9	6	3.0	5.5	57	11	7	3.5	6.0	62	7	8	4.5	7.0
5	54	7	7	5.0	8.0	46	8	5	4.0	6.5	38	4	4	2.5	5.0	43	3	4	3.0	5.0	54	7	4	4.0	6.5	55	6	6	5.5	8.0
10	38	5	7	4.5	6.5	36	6	5	4.0	6.0	31	5	4	4.0	6.0	35	6	4	4.0	6.5	43	4	4	5.0	7.5	40	4	6	4.5	7.0
20	24	0	3	1.5	3.0	25	3	3	2.0	3.5	28	4	4	3.0	4.5	31	4	4	2.0	4.0	29	4	4	2.0	3.5	25	2	2	2.0	3.5

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Spring (Sept. Oct. Nov.) 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	100	7	3			99	2	3			97	3	3			101	3	2			98	5	5			102	6	5		
.113	76	3	3			76	5	5			77	5	4			76	6	6			78	8	6			77	9	4		
.246	66	2	4			67	3	3			66	3	3			66	3	3			66	4	3			66	4	3		
.545	57	4	4			56	5	3			57	6	4			58	4	3			58	4	4			56	4	5		
2.5	25	1	2			26	2	2			25	1	2			25	1	2			26	1	2			25	1	2		
5	22	8	7			17	6	4			16	5	3			19	4	4			24	6	9			28	10	14		
10	20	10	8			18	9	8			17	2	6			18	4	8			22	4	11			24	8	11		
20	18	2	2			18	2	2			18	2	1			18	2	1			19	2	2			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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Spring (Sept. Oct. Nov.) 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	156	4	3	7.5	12.0	155	11	3	9.0	13.5	152	4	4	12.0	17.5	158	5	6	10.5	17.0	154	5	4	10.0	15.0	156	5	4	9.0	14.0
.051	130	6	5	8.5	14.5	122	9	5	9.5	15.0	116	11	7	13.5	20.0	121	9	9	9.5	16.0	123	10	10	9.0	15.0	129	7	6	9.5	15.5
.160	105	8	6	7.5	14.0	86	15	8	10.5	17.0	77	23	13	11.5	18.0	84	21	16	11.0	16.5	95	15	15	8.5	15.5	105	9	8	7.5	14.5
.545	83	12	6	7.0	14.0	57	16	6	8.0	12.0	50	14	8	4.5	7.0	52	21	10	5.0	7.5	66	16	9	6.5	12.5	86	10	9	6.5	12.5
2.5	59	8	8	6.5	11.5	44	12	7	6.5	10.5	22	11	3	8.0	5.5	21	14	2	3.0	5.5	41	10	10	5.0	9.0	61	9	9	6.5	11.5
5	54	6	6	5.5	9.0	42	8	5	5.5	8.5	27	8	11	3.0	5.5	29	9	11	3.5	5.5	45	8	8	4.0	8.0	56	6	6	5.0	9.5
10	42	5	4	4.5	7.0	36	5	4	4.0	6.0	27	9	8	4.0	6.5	30	9	9	5.0	7.0	42	5	5	3.5	6.5	44	5	4	4.0	7.0
20	24	2	2	2.5	3.5	24	2	3	2.5	4.5	24	3	4	2.5	4.0	25	4	3	3.0	4.5	29	6	3	3.5	5.5	26	5	2	3.0	4.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Fall (Sept. Oct. Nov.) 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	118	6	6	9.5	15.0	112	6	6	11.5	18.5	111	5	7	8.5	16.5	113	6	8	8.5	15.5	118	6	7	7.5	14.0	119	6	7	8.5	13.5
** .246	82	8	6	8.5	14.5	69	6	6	9.5	14.0	69					62			5.5	7.5						78			9.0	13.0
** .545	72	7	6	6.0	10.0	58	8	5	3.5	5.5	53	8	3	3.0	5.5	52	7	3	3.5	5.5	69	12	6	4.0	7.0	81	6	8	4.0	7.5
2.5	50	7	6	7.0	9.5	41	7	9	6.5	9.5	22	5	6	4.5	6.0	35	6	8	3.5	5.0	43	7	8	4.0	6.0	51	6	8	4.5	8.0
5	50	6	7	4.5	8.5	44	7	9	5.5	8.5	27	9	7	5.0	7.0	27	7	8	4.5	7.0	46	7	8	5.5	9.0	51	6	5	5.5	9.0
10	34	7	5	3.0	5.0	37	11	6	3.5	5.5	34	11	7	4.0	6.5	38	12	8	5.5	9.5	45	11	7	5.5	8.5	37	6	4	3.0	5.0
20	19	1	2	1.5	3.0	20	3	2	1.5	3.0	22	6	4	3.0	5.0	26	4	6	3.0	4.5	23	4	3	2.5	4.5	20	1	2	1.5	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

**No November Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Fall (Sept. Oct. Nov.) 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	7	5			101	10	7			92	11	5			96	13	8			101	16	8			107	10	5		
.500	84	8	8			68	10	6			56	7	3			60	17	4			67	25	7			83	11	8		
2.5	64	7	6			50	9	7			28	5	3			31	14	3			49	16	8			64	9	8		
5	61	6	3			53	7	8			28	5	3			30	11	4			52	9	9			61	6	4		
10	45	4	4			41	3	4			38	5	4			39	7	4			49	6	4			48	4	5		
20	22	0	1			22	1	1			26	3	2			25	4	2			27	3	2			23	2	2		

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W Season Fall (Sept. Oct. Nov.) 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	155	5	4	11.5	19.0	155	3	3	12.0	19.0	151	5	3	12.0	18.5	150	6	4	13.5	20.0	149	6	4	13.0	20.0	152	6	3	11.0	18.0
.051	132	6	5	12.0	19.5	130	5	4	12.5	21.0	112	11	7	14.5	22.5	112	11	8	16.0	24.5	111	13	6	11.5	19.0	124	12	4	12.0	21.0
.160	108	9	7	12.0	21.0	98	9	6	12.5	21.0	75	21	13	14.5	23.5	72	29	12	13.5	21.5	80	25	8	11.0	17.0	100	17	8	12.5	21.5
.495	84	12	7	11.5	22.0	72	13	7	9.5	16.0	54	23	6	5.5	8.5	56	24	6	5.0	8.5	60	25	7	6.5	10.5	79	18	8	11.5	20.5
2.5	57	9	7	7.0	11.5	54	8	7	7.5	11.5	35	8	4	2.5	4.0	33	9	4	2.5	4.0	39	11	5	3.0	5.0	54	11	7	7.0	11.5
5	58	6	7	5.0	9.5	49	6	6	5.5	9.5	24	6	4	3.0	5.0	22	6	4	3.0	5.0	33	10	6	4.5	8.0	52	7	7	4.5	8.0
10	38	5	4	4.0	5.5	36	5	4	3.5	5.5	21	12	5	4.0	7.0	17	12	5	3.5	5.5	35	6	5	3.0	5.5	41	3	4	3.0	5.0
20	22	2	1	1.5	3.0	21	2	1	1.5	3.0	20	2	2	3.0	5.0	20	4	2	3.0	5.0	24	3	2	3.0	5.0	24	3	2	2.5	4.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Summer(June July Aug.) 19 60

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	7	4	9.0	12.5	148	6	4	9.5	13.5	146	7	4	11.0	15.5	153	6	5	10.0	14.5	153	4	4	9.0	13.0	151	4	3	8.5	12.5
.051	131	7	6	8.5	13.0	127	9	9	11.5	17.0	123	12	9	12.5	18.0	132	8	9	9.5	14.5	132	8	7	9.0	13.5	131	8	4	8.0	12.5
.160	113	10	8	8.0	13.0	107	12	18	10.5	16.5	102	17	16	11.5	17.0	115	11	15	9.0	14.0	115	10	10	8.5	13.5	113	8	6	8.0	12.5
.545	92	10	9	8.0	13.5	80	18	15	8.0	13.0	77	18	12	7.0	10.0	92	14	17	8.5	13.0	91	12	11	9.0	14.0	92	8	6	7.5	12.0
2.5	64	9	8	4.5	8.5	56	12	10	6.0	9.0	43	16	8	3.5	6.0	52	18	12	7.0	10.5	54	13	7	5.5	8.5	64	8	5	5.5	8.5
5	54	7	6	4.0	6.5	48	11	10	5.0	8.0	31	17	7	3.5	4.5	40	19	10	5.0	8.0	52	10	7	5.0	7.5	55	7	4	4.5	7.0
10	38	11	5	6.0	8.0	33	10	11	4.0	5.5	25	11	6	6.0	8.0	33	9	7	4.5	7.5	41	7	4	4.0	6.0	39	8	5	3.5	5.0
20	23	9	2	2.0	3.5	24	8	3	2.5	4.0	23	9	3	3.0	4.5	29	7	6	3.5	5.5	29	8	3	4.0	5.5	26	10	3	3.5	4.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Fall (Sept. Oct. Nov.) 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	156	4	4	10.5	16.0	154	5	4	11.5	16.5	153	4	7	17.0	20.5	153	3	6	13.0	20.5	154	4	5	11.0	17.0	155	5	4	11.5	17.0
.051	133	6	4	12.0	19.0	126	8	6	13.5	20.0	119	11	12	16.0	23.5	119	9	9	13.5	20.5	122	9	8	11.5	18.0	131	6	4	11.5	19.0
.160	110	8	6	10.5	18.0	96	13	10	12.5	19.0	87	15	12	12.0	17.5	84	17	10	12.0	17.5	97	14	8	12.0	19.0	109	8	7	10.5	18.0
.545	89	10	8	10.0	16.5	76	11	6	7.5	12.0	68	14	3	6.5	10.5	70	11	4	7.0	11.5	86	9	6	7.0	13.0	96	8	7	7.5	13.5
2.5	59	8	8	7.5	13.0	49	11	7	7.5	12.5	34	8	4	5.0	8.0	34	10	3	6.0	9.0	48	10	7	7.0	11.5	57	8	8	8.5	13.5
5	56	6	5	6.5	11.0	53	8	7	7.0	12.0	32	9	4	7.0	10.5	34	8	5	6.0	9.5	61	7	6	8.0	13.5	67	9	6	7.0	12.5
10	42	8	5	4.0	6.5	38	5	5	5.0	8.5	33	6	5	6.0	9.0	34	6	5	5.0	9.0	45	6	4	3.5	6.5	45	8	4	4.0	7.0
20	24	2	2	1.5	3.0	25	3	2	2.0	4.5	28	7	5	3.5	6.0	27	4	3	3.0	5.0	29	5	3	2.5	4.5	25	4	1	2.0	3.5

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

D_u = ratia of upper decile ta median in db

D_ℓ = ratia of median ta lawer decile in db

V_{dm} = median deviatian af average valtage in db belaw mean pawer

L_{dm} = median deviatian af average lagarithm in db belaw mean pawer

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Fall (Sept. Oct. Nov.) 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	149	3	3			149	3	3			146	3	3			148	3	2			150	3	3			151	2	4		
.051	129	4	4			126	4	5			117	5	7			120	6	8			122	4	8			128	3	6		
.160	114	6	5			102	6	6			91	7	8			91	10	7			101	8	7			112	5	5		
.495	86	4	5			76	6	11			71	12	13			73	9	14			80	7	10			88	5	5		
2.5	59	5	6			53	5	6			34	8	4			33	15	4			48	8	7			59	7	6		
5	57	4	5			52	4	5			30	8	7			28	8	6			49	5	5			54	4	6		
10	43	3	5			42	5	6			34	6	6			35	7	6			46	9	5			43	4	5		
20	26	7	4			27	10	4			38	12	12			44	8	14			39	11	8			30	10	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 São José, Brazil Lat. 23.3 S Long. 45.8 N Season Spring (Sept. Oct. Nov.) 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	132	8	7	10.0	16.5	126	9	9	10.5	17.0	122	9	13	10.0	16.5	129	11	9	10.0	16.0	132	12	8	8.5	14.0	134	6	7	9.0	14.0
.113	119	10	10	9.0	15.0	108	11	12	8.0	13.0	102	14	12	8.5	13.5	110	17	12	10.0	17.0	115	15	13	8.0	14.0	120	9	11	8.5	14.0
.246	102	8	9	9.0	14.5	84	14	8	8.5	13.5	80	17	7	8.5	14.5	89	22	14	11.0	19.0	96	16	13	9.0	16.0	103	8	10	8.5	14.0
.545	87	8	7	7.5	12.5	82	8	10	6.0	10.5	88	8	9	6.0	9.0	90	10	6	8.5	14.0	90	11	6	7.0	11.0	94	4	4	6.0	9.0
2.5	62	12	10	8.0	11.0	50	14	8	7.0	11.0	34	18	7	6.0	8.0	42	24	12	9.0	13.0	54	17	10	7.5	10.5	65	10	7	7.0	10.0
5	58	8	8	8.0	11.5	53	8	10	9.0	12.5	37	15	8	10.5	14.0	40	20	9	9.0	12.5	58	9	7	7.0	11.0	65	5	6	7.0	10.0
10	47	8	6	8.0	11.5	44	8	8	7.0	10.5	37	9	7	8.5	11.5	38	12	7	7.5	10.0	48	7	5	6.5	9.0	50	6	5	7.0	9.5
20	30	12	4	5.5	7.0	27	8	3	4.0	5.5	26	8	3	4.0	6.0	29	9	4	5.0	7.0	34	10	5	5.0	7.0	33	10	5	6.0	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Fall (Sept. Oct. Nov.) 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_{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} **
.013	161	4	3	10.0	16.0	159	4	3	11.0	17.0	157	5	3	13.5	19.5	162	8	6	12.5	20.0	162	5	5	12.5	19.5	160	4	3	10.0	14.5
.051	141	5	5	12.0	19.0	136	8	6	13.5	21.5	131	8	7	15.5	24.0	139	10	9	13.0	21.5	141	7	7	13.0	22.0	140	5	5	12.5	19.5
.160	121	5	5	11.5	20.5	114	9	10	14.5	24.0	106	15	10	15.0	23.5	118	12	11	13.5	23.0	120	7	12	12.0	21.0	120	6	6	11.5	21.0
.545	90	6	6	11.0	19.5	84	11	11	11.0	18.5	78	17	12	10.0	15.0	94	15	14	11.5	21.0	94	8	8	10.0	19.0	94	6	6	9.5	18.0
2.5	67	4	5	9.0	15.5	59	6	7	9.5	15.5	39	13	6	6.0	9.5	50	20	14	7.5	12.0	60	9	7	7.0	12.5	65	5	5	8.0	14.0
5	60	3	3	6.0	11.0	52	5	4	8.5	13.0	39	8	8	12.0	16.5	42	19	11	9.5	16.5	56	5	4	6.0	10.0	61	3	3	5.0	9.0
10	46	3	4	5.0	8.5	41	4	5	6.0	9.5	31	8	6	10.5	15.0	37	11	8	9.0	14.5	46	4	3	5.0	8.0	48	4	3	5.0	7.5
20	25	3	2	3.0	4.5	25	5	2	4.0	6.0	23	7	2	5.0	6.5	28	9	4	4.5	7.5	28	5	3	4.5	6.5	29	3	2	4.0	6.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

**No September data - Log and Voltage Installed October 1960.

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

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

THE NATIONAL BUREAU OF STANDARDS

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

WASHINGTON, D.C.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Office of Weights and Measures.

BOULDER, COLO.

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

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

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

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

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

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

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