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Technical Note

No. 18-17

QUARTERLY RADIO NOISE DATA DECEMBER, 1962; JANUARY, FEBRUARY, 1963

W. Q. CRICLOW, R. T. DISNEY, AND M. A. JENKINS



U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

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National Bureau of Standards

Boulder, Colorado

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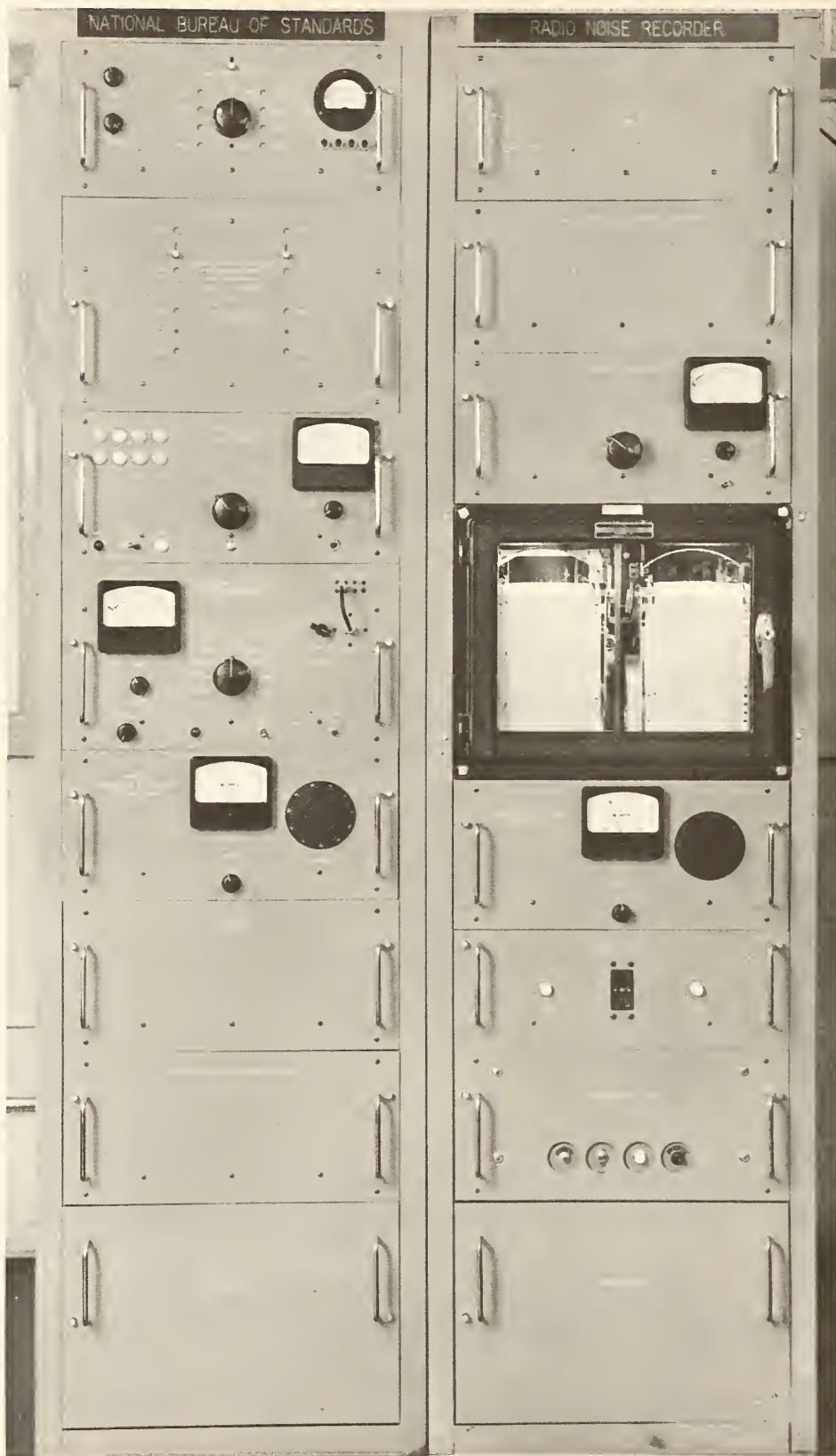
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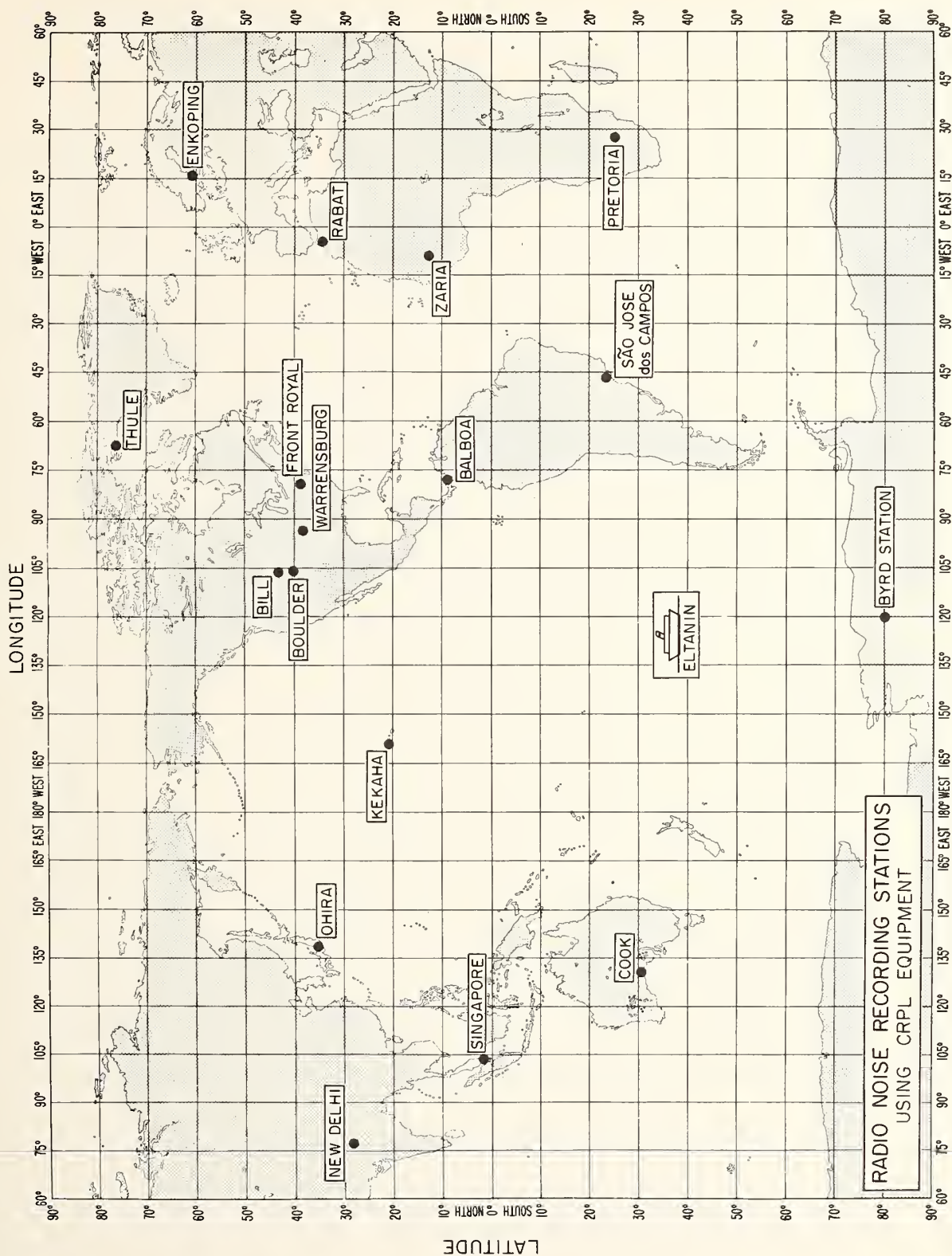
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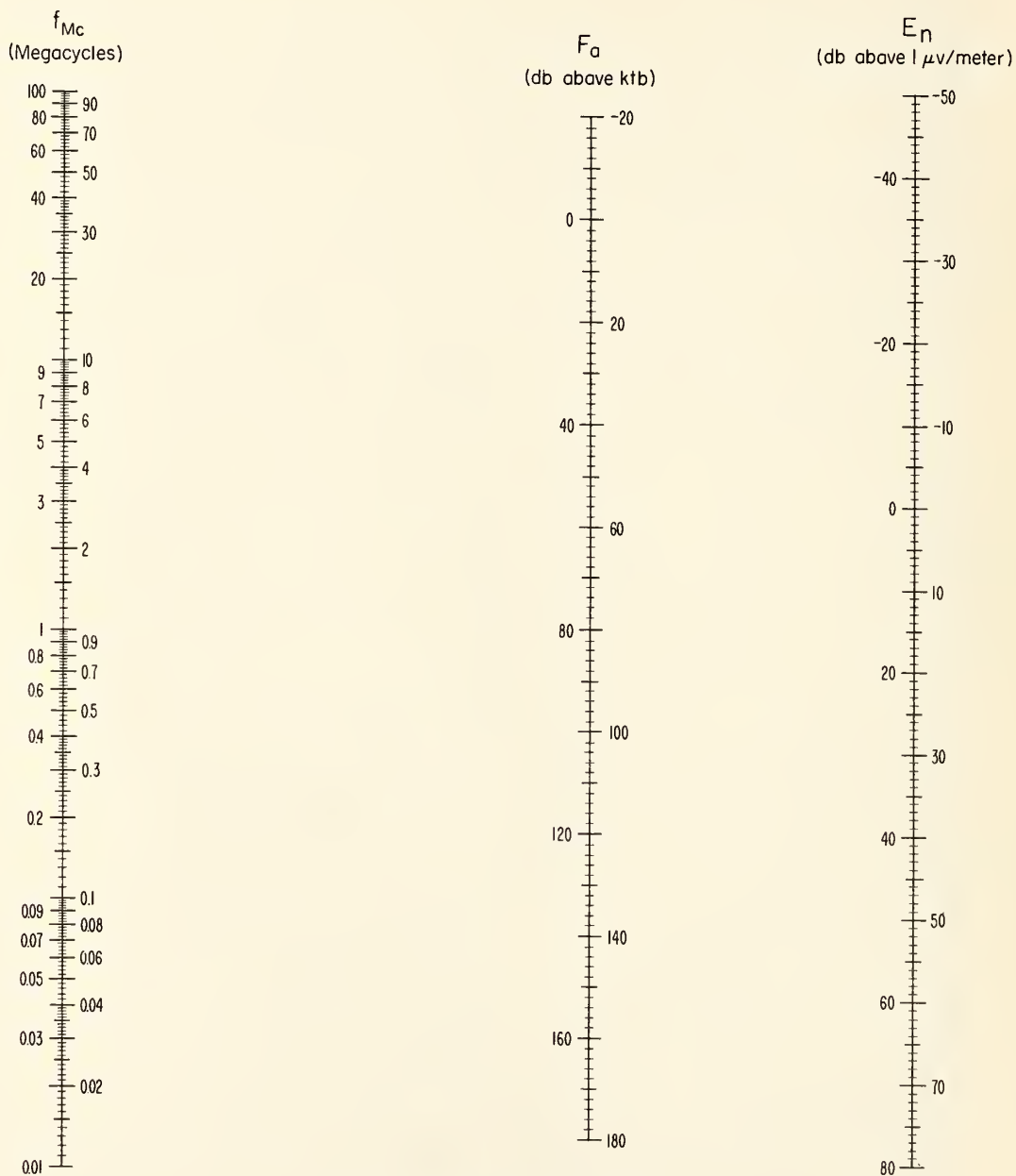
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder



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 $1 \mu v/meter$ for a 1 kc Bandwidth.

f_{Mc} = Frequency in Megacycles.

Quarterly Radio Noise Data
December, 1962; January, February, 1963

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

Radio noise measurements are being made at eighteen stations in a world-wide network operated in a co-operative program co-ordinated by the National Bureau of Standards. The locations of these stations are shown on the map. The results of these measurements for the months December, January, and February are given in this report. Where the results for these months are not presently available, the data will be published in subsequent reports, and the data for previous months, which are now available but have not been published previously, are included. The tabulated values are based on three basic parameters of the noise; these are the mean power, the mean envelope voltage and the mean logarithm of the envelope voltage.

The noise power received from sources external to the antenna averaged over a period of several minutes is the basic parameter and can be conveniently expressed in terms of an effective antenna noise factor, f_a , which is defined by:

$$f_a = p_n / k T_o b = T_a / T_o$$

where:

p_n = noise power available from an equivalent loss-free antenna (watts)

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

T_o = reference temperature, taken as 288° K

b = effective receiver noise bandwidth (c/s)

T_a = effective antenna temperature in the presence of external noise.

The antenna noise factors in this report are for a short vertical antenna over a perfectly conducting ground plane and are expressed in decibels, $F_a (= 10 \log_{10} f_a)$. This parameter is simply related to the rms noise field strength along the antenna by:

$$E_n = F_a - 95.5 + 10 \log_{10} b + 20 \log_{10} f_{\text{Mc/s}}$$

where:

E_n = rms noise field strength for bandwidth b in db above
1 $\mu\text{V/m}$

b = effective receiver noise bandwidth in c/s

$f_{\text{Mc/s}}$ = frequency in Mc/s.

The value of E_n for a 1 kc/s bandwidth can be found from the attached nomogram. It should be noted that E_n is the vertical component of the field at the antenna. It should also be noted that the rms envelope voltage is 3 db higher than the rms voltage.

The other two noise parameters tabulated are given relative to the mean power. Thus, the mean voltage and mean logarithm expressed as deviations, V_d and L_d , respectively, are in db below the mean power.

Measurements of the three parameters reported 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 6.6294 meter (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 during which they were recorded. 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.

In addition to these month-hour values, corresponding values are tabulated for the time blocks as defined by CCIR Report 322. All recorded values for the four hours of the day and the three-month period are used to determine the median and decile values. When no data were available for one or two months of the season, it is so indicated and should be noted when considering seasonal trends.

The values presented in the tables reflect the actual measured values of radio noise. The only editing for man-made noise or station contamination of the records has been done by the station operators, and no additional attempt has been made to identify these values by systematic statistical means. These preliminary data values are presented in order to expedite dissemination of the data, and additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications. 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 [Crichlow et al., 1960b] 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 with a form factor described in the above reference 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 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). The data from the Floating Antarctic Research Vessel, USNS Eltanin, are grouped so that a block 10° in latitude by 15° in longitude is treated as a separate station. The station clock in this case is

corrected to the LST at the center of the block. Because of this grouping, very few readings may be used to obtain the median values tabulated in some cases. If, during the month, fewer than ten readings are obtained for any one block, the decile values are not given. If data for less than three months are used in the time block summaries, this fact is noted on the summary sheet. Because of the small sample size, some caution should be exercised when using these values.

The assistance of the station operators and other personnel of the operating agencies in obtaining the data contained in this report is gratefully acknowledged. Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station;
Front Royal, Virginia; Kekaha, Hawaii;
Warrensburg, Missouri; USNS Eltanin

U.S. Army Strategic Communications Command - Balboa, C.Z.;
Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enköping

DSIR (Great Britain) and Ahmadu Bello University, Electrical
Engineering Department, Zaria, Northern Nigeria

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

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Cherifien (Morocco) - Rabat

Comissão Nacional das Atividades Espaciais (Brazil) - São José
dos Campos

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

The following publications contain additional information on radio noise:

- Clarke, C., "Atmospheric Radio-Noise Studies Based on Amplitude-Probability Measurements at Slough, England, during the International Geophysical Year," Proc. Inst. Elec. Eng., Pt. B, 109, 47, 393 (September, 1962).
- Crichlow, W. Q., A. D. Spaulding, C. J. Roubique, and R. T. Disney, "Amplitude-Probability Distributions for Atmospheric Radio Noise," NBS Monograph 23 (November, 1960b).
- Crichlow, W. Q., C. J. Roubique, A. D. Spaulding, and W. M. Beery (January-February, 1960) "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," J. Res. NBS 64D (Radio Propagation) No. 1, 49-56.
- Crichlow, W. Q., "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45, 6, 778 (1957).
- Crichlow, W. Q., 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.
- "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).
- "World Distribution and Characteristics of Atmospheric Radio Noise, C.C.I.R. Report No. 322, Xth Plenary Assembly, Geneva, 1963, (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).
- Fulton, F. F. (Jr.) (May-June, 1961), "Effect of Receiver Bandwidth on The Amplitude Distribution of VLF Atmospheric Noise," J. Res. NBS 65D (Radio Propagation) No. 3, 299-304.
- Horner, F., "An Investigation of Atmospheric Radio Noise at Very Low Frequencies," Proc. Inst. Elec. Eng., Pt. B, 103, 743 (1956).

- Horner, F., "Radio Noise of Terrestrial Origin," Proc. of Commission IV on Radio Noise of Terrestrial Origin during the XIIIth General Assembly of URSI, " London, September, 1960.
- Spaulding, A. D., C. J. Roubique, and W. Q. Crichlow (November-December, 1962) "Conversion of the Amplitude-Probability Distribution Function for Atmospheric Radio Noise from One Bandwidth to Another," J. Res. NBS 66D (Radio Propagation) No. 6, 713-720.
- Obayashi, T. (January-February, 1960), "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," J. Res. NBS 64D (Radio Propagation) No. 1, 41-48.
- Taylor, W. L. (September-October, 1963), "Radiation Field Characteristics of Lightning Discharges in the Bank 1 kc/s to 100 kc/s," J. Res. NBS 67D (Radio Propagation) No. 5, 539-550.
- Taylor, W. L. and A. G. Jean (September-October, 1959), "Very-Low-Frequency Radiation Spectra of Lightning Discharges," J. Res. NBS 63D (Radio Propagation) No. 2, 199-204.
- URSI Special Report No. 7, "The Measurement of Characteristics of Terrestrial Radio Noise," Elsevier Publishing Co. (1962).
- Watt, A. D. and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45, 6, 787 (1957).
- Watt, A. D. (September-October, 1960), "ELF Electric Fields from Thunderstorms," J. Res. NBS 64D (Radio Propagation) No. 5, 425-433.
- Watt, A. D., and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45, 1, 55 (1957).
- Watt, A. D., 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).

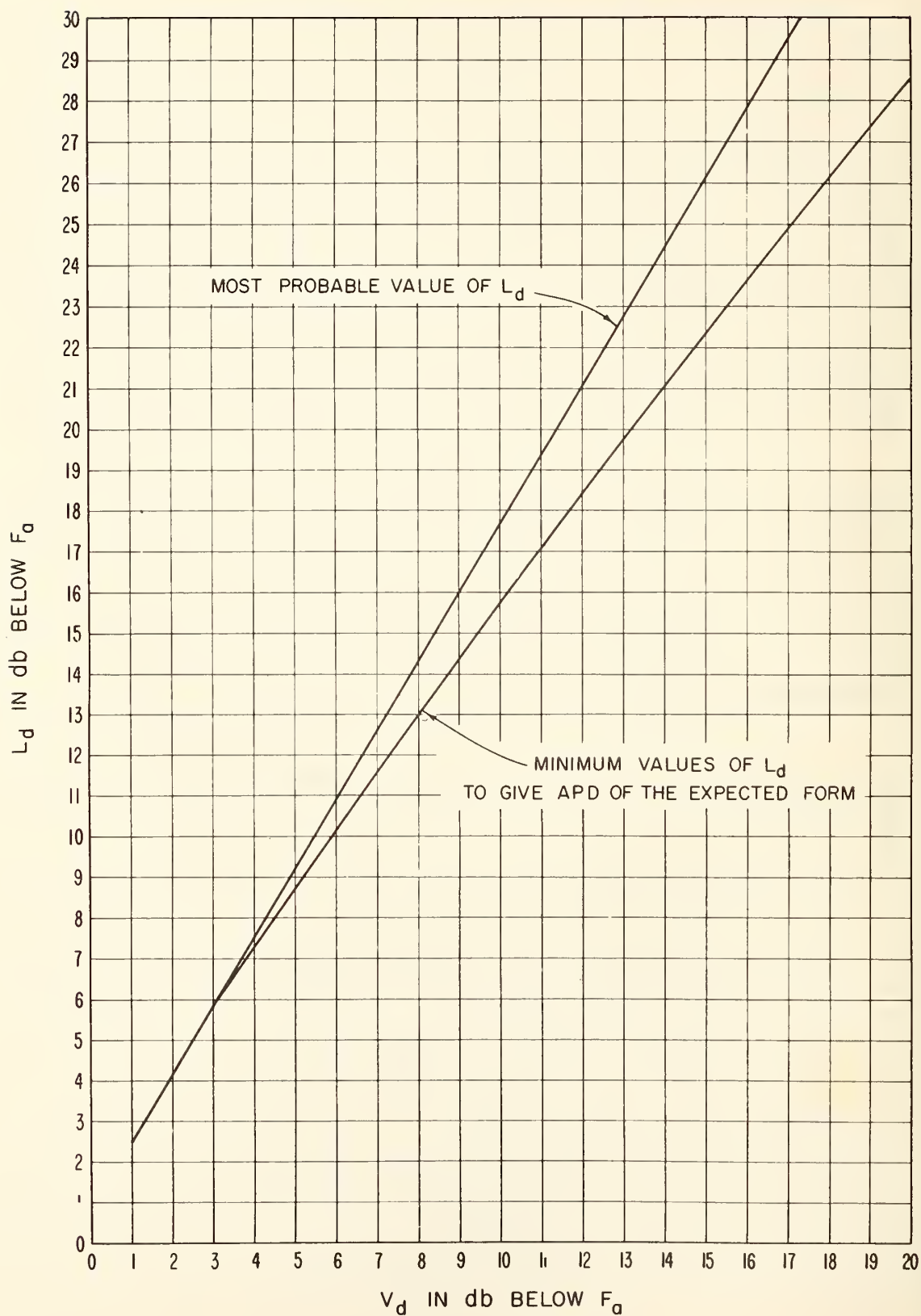
Data included in this report and the standard time for each station are as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	December, January, February 1962-63	75 W	+05
Bill	December, January, February 1962-63	105 W	+07
Boulder	December, January, February 1962-63	105 W	+07
Byrd Station	October 1962	120 W	-09
Cook	December, January, February 1962-63	135 E	-09
USNS Eltanin	December, January, February 1962-63		
Enköping	December, January, February 1962-63	15 E	-01
Front Royal	December, January, February 1962-63	75 W	+05
Ibadan	November 1959	GMT	0
	December, January, February 1959-60		
	March, April, May, July 1960		
Kekaha	December, January, February 1962-63	150 W	+10
New Delhi	October, November 1962	75 E	-05
	December, January, February 1962-63		
Ohira	December, January, February 1962-63	135 E	-09
Pretoria	December, January, February 1962-63	30 E	-02
Rabat	September(Correction sheet) 1962	GMT	0
Singapore	December, January, February 1962-63	105 E	-07
Warrensburg	November 1962	90 W	+06
	December, January, February 1962-63		

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

- 18-1 July 1, 1957 - December 31, 1958
- 18-2 March, April, May 1959
- 18-3 June, July, August 1959
- 18-4 September, October, November 1959
- 18-5 December, January, February 1959-60
- 18-6 March, April, May 1960
- 18-7 June, July, August 1960
- 18-8 September, October, November 1960
- 18-9 December, January, February 1960-61
- 18-10 March, April, May 1961
- 18-11 June, July, August 1961
- 18-12 September, October, November 1961
- 18-13 December, January, February 1961-62
- 18-14 March, April, May 1962
- 18-15 June, July, August 1962
- 18-16 September, October, November 1962

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. 9.0N Long. 79.5W

Month December 19 62

Frequency (Mc)																																															
0.013						0.051						160						495						2.5						5						10						20					
Fom	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm								
00	153	6	4	12.0	170	134	8	11.0	170	114	11	4	10.0	16.0	*	95	6	4	8.0	13.0	59	13	4	5.0	9.5	40	6	7	3.5	5.5	21	4	0	2.0	3.5	*	*	*	*								
01	155	7	5	10.0	170	134	8	9	11.0	175	115	8	7	10.0	14.0	*	97	5	8	6.5	13.0	59	12	4	5.0	9.0	49	6	1	5.0	8.5	38	10	6	2.5	4.0	21	2	0	1.5	2.0						
02	157	4	6	10.5	175	132	13	6	11.5	180	114	12	8	10.0	15.5	*	95	11	7	6.5	14.5	61	9	7	5.5	10.0	50	7	4	4.0	8.0	36	10	6	2.5	4.0	21	2	0	2.0	4.0						
03	155	10	4	10.5	160	132	12	6	10.0	160	113	11	7	8.5	16.5	*	95	8	8	7.0	15.0	59	13	6	6.0	11.0	48	6	3	3.0	7.0	34	12	4	2.5	4.5	21	3	0	1.5	3.0						
04	155	8	2	8.5	145	133	11	5	9.0	140	113	11	8	10.0	18.0	*	93	10	8	7.5	16.0	59	10	6	6.0	11.0	48	3	4	4.0	7.5	34	9	5	3.0	5.0	23	1	2	2.0	3.5						
05	155	10	3	9.5	155	132	13	6	10.0	165	110	16	12	10.5	18.5	*	85	18	10	7.0	13.0	57	14	6	7.0	13.0	48	8	3	7.5	13.0	36	9	6	3.0	5.0	23	1	2	2.0	2.5						
06	155	9	4	9.5	160	128	14	4	10.0	150	102	23	13	11.0	19.0	*	75	26	10	11.0	19.5	54	5	8	8.0	14.0	56	8	9	4.5	9.0	44	4	8	3.0	7.0	23	2	2	2.0	2.5						
07	153	8	4	9.0	150	122	21	5	9.5	160	90	35	12	12.0	20.0	*	71	31	7	15.5	20.0	45	14	10	8.0	13.5	48	9	7	4.0	8.0	44	4	9	2.5	5.0	23	3	2	4.5	6.0						
08	151	13	4	10.0	165	119	25	9	12.5	190	88	37	12	11.0	18.0	*	73	31	8	12.0	22.0	37	15	6	7.0	9.0	40	8	6	6.0	8.5	39	6	5	2.5	4.5	25	3	4	2.0	3.0						
09	151	14	6	11.0	175	120	24	14	12.5	200	90	34	12	12.0	20.0	*	75	26	10	12.0	23.0	33	18	4	4.0	6.0	34	10	3	4.0	6.5	38	3	8	2.5	5.5	25	2	2	3.0	4.5						
10	152	11	5	12.0	175	120	22	10	13.0	190	91	34	15	14.0	21.0	*	71	29	8	10.0	17.0	34	16	4	7.5	3.0	34	8	4	3.0	5.5	38	3	10	3.5	6.0	25	4	4	3.5	5.0						
11	153	12	4	11.5	170	124	20	14	11.5	185	92	33	10	10.5	18.0	*	73	27	10	7.5	12.0	33	17	4	8.0	10.0	30	11	3	2.5	4.0	36	3	9	2.5	5.0	25	2	4	2.0	3.0						
12	155	7	4	10.0	160	128	13	12	13.0	190	96	26	14	7.0	13.5	*	73	18	9	12.0	18.5	33	11	4	2.0	3.0	30	10	4	3.0	4.5	36	4	10	2.0	5.0	25	4	2	3.0	5.0						
13	156	7	5	10.5	165	128	12	10	10.0	150	98	27	12	11.5	18.5	*	71	24	5	10.0	19.0	33	12	4	2.0	3.0	32	10	2	3.0	5.5	36	6	6	3.0	4.5	27	3	2	3.0	5.0						
14	157	7	3	9.5	150	130	16	8	10.0	150	98	28	10	11.0	17.0	*	75	22	8	9.0	17.0	33	10	4	2.0	3.0	34	15	6	3.5	7.0	39	5	7	5.0	6.0	27	4	4	3.0	5.0						
15	157	5	3	10.0	155	128	16	6	10.0	150	96	30	8	10.0	18.0	*	79	29	10	7.5	15.0	37	19	5	4.5	8.0	40	13	8	5.5	10.5	42	5	6	2.5	5.0	28	5	5	3.0	4.0						
16	157	8	6	12.0	175	128	12	8	12.5	180	98	21	9	11.0	17.5	*	77	13	8	8.0	13.0	39	19	4	8.0	11.0	48	5	4	6.0	11.0	46	2	6	3.5	6.0	27	2	4	4.0	5.5						
17	154	6	4	11.0	170	128	9	8	15.0	200	102	16	10	9.0	15.0	*	83	11	7	7.5	12.5	49	10	7	7.5	13.0	55	7	7	5.0	7.5	46	3	8	3.0	6.0	25	1	4	3.0	4.5						
18	153	6	6	12.0	175	128	12	6	11.0	17.5	110	10	7	9.0	15.0	*	93	7	6	7.0	12.5	55	11	8	5.5	9.0	56	9	6	5.0	9.0	42	4	6	3.0	6.0	23	4	2	2.0	3.0						
19	153	8	5	13.0	190	128	12	5	10.5	155	110	12	7	11.0	16.0	*	95	5	6	7.5	13.0	57	9	6	8.5	7.5	58	6	8	4.5	7.0	40	6	6	3.0	5.0	23	2	2	2.0	3.0						
20	153	7	5	13.5	190	132	8	8	10.0	16.0	111	10	7	10.0	16.0	*	95	6	5	7.5	13.5	59	9	8	8.0	11.5	58	7	10	4.0	6.0	37	7	5	3.5	6.0	21	3	0	2.5	4.0						
21	153	6	6	13.0	185	132	9	6	10.5	16.0	112	10	6	10.0	18.0	*	96	6	6	7.0	13.0	59	8	4	6.0	10.0	58	7	10	2.0	5.0	37	7	4	3.0	5.0	21	3	0	3.0	5.0						
22	153	6	4	13.0	200	132	8	7	10.0	16.0	112	11	4	10.0	16.5	*	96	8	7	7.0	12.0	59	10	7	6.0	10.0	50	10	2	2.5	8.0	38	7	5	3.5	5.0	21	3	0	2.0	2.5						
23	153	8	4	12.5	185	131	10	5	9.0	14.0	112	11	5	9.5	16.5	*	95	9	6	7.5	13.5	59	12	4	5.5	9.0	50	8	2	3.5	7.0	38	5	4	3.5	6.0	22	3	1	2.5	3.5						

Fom = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = 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

USCNR 4-6-5-1-1

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa Canal Zone Lat. 9.0N Long. 79.5W

Month January 19 63

Frequency (Mc)																																								
Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm
00	153	4	6	10.0	16.0	127	8	4	8.0	13.5	112	7	10	8.0	14.0	94	6	7	6.0	10.0	59	7	7	5.0	9.0	53	3	2	4.0	7.0	40	4	6	2.0	4.0	23	2	1	0.5	2.0
01	153	4	6	10.5	16.0	127	11	3	9.0	15.0	112	8	8	7.5	14.5	94	7	9	7.5	12.5	59	8	4	6.5	11.5	53	3	3	4.5	8.0	42	8	8	2.5	4.0	24	0	2	2.0	3.0
02	153	6	4	11.0	16.0	129	8	7	10.0	16.0	112	7	12	10.0	16.5	94	6	10	7.0	12.0	61	8	7	6.0	12.0	52	3	3	3.0	7.0	38	13	4	2.0	4.0	24	1	2	2.0	3.0
03	153	5	5	10.5	16.0	131	7	9	10.0	16.0	112	7	13	9.0	16.0	94	7	10	8.0	14.0	60	8	7	6.5	13.0	52	1	5	3.5	7.5	34	6	4	2.0	3.5	24	1	2	1.5	3.0
04	154	5	5	11.5	16.5	131	6	6	11.0	17.0	112	8	16	10.0	17.0	94	6	11	10.0	18.0	60	8	8	5.5	11.0	50	3	4	4.5	8.0	32	6	2	2.0	3.0	24	2	1	1.0	2.5
05	158	1	7	10.5	16.5	131	7	7	10.0	16.5	112	6	13	12.0	19.0	90	8	14	11.0	20.0	61	8	11	5.0	11.0	51	8	6	5.0	8.5	34	7	5	2.0	5.5	24	2	0	1.0	2.0
06	155	4	4	10.5	16.0	127	9	4	10.5	16.0	106	12	16	13.5	22.0	86	11	18	12.5	22.0	55	11	8	7.0	12.0	57	5	9	3.0	5.0	46	4	13	4.0	7.0	24	2	1	1.0	2.5
07	153	5	6	11.0	17.5	125	9	8	13.0	19.0	100	14	19	17.0	24.5	81	14	12	13.0	23.0	49	11	12	4.0	6.0	53	2	5	3.0	7.5	43	8	4	3.0	6.0	26	2	3	2.0	3.0
08	151	6	4	11.5	16.5	123	10	15	12.5	19.0	92	20	16	16.0	26.0	84	8	16	14.0	22.0	43	8	10	4.0	5.0	43	6	10												
09	151	4	6	12.0	17.0	119	8	14	14.0	18.5	94	17	17	18.0	26.0	78	16	12	11.0	16.0	37	6	4	3.0	4.0	49	4	5	6.5	11.5	38	6	3	3.0	5.0	24	4	0	2.5	4.0
10	151	5	4	10.5	15.5	118	13	9	14.0	20.0	98	15	23	13.0	22.0	78	16	11	13.5	23.0	35	10	4	3.5	5.0	35	4	4	5.0	9.0	36	6	2	3.5	5.5	24	4	1	2.0	3.5
11	152	6	5	10.0	15.5	123	7	10	11.5	18.0	95	14	15	12.0	18.5	72	15	6	8.0	20.0	35	5	5	3.0	4.0	33	4	4	3.5	5.0	36	4	5	4.0	6.5	25	3	1	2.0	3.5
12	155	5	6	9.5	14.5	125	6	8	10.0	15.5	96	11	13	10.0	15.0	74	8	7	9.0	13.0	32	5	4	2.0	4.0	33	4	4	3.0	4.0	36	5	4	3.0	5.0	26	5	2	4.0	6.0
13	157	3	7	9.0	13.5	127	4	10	9.0	14.0	98	12	11	8.0	12.5	74	15	8	15.0	24.0	33	7	4	2.0	3.5	33	6	3	4.0	5.0	39	4	6	2.5	5.0	28	2	4	3.5	5.5
14	157	4	6	9.0	14.0	127	8	9	9.0	14.5	98	14	11	7.5	12.5	74	21	6	14.0	21.5	33	11	4	2.0	3.0	35	7	4	3.5	5.5	42	4	6	3.0	5.0	28	2	4	4.0	5.0
15	157	5	5	9.0	13.0	127	6	9	10.0	15.0	98	16	9	9.5	15.0	80	16	10	11.0	17.5	35	11	3	3.0	5.0	39	7	2	3.5	6.5	44	4	6	2.5	4.5	28	2	4	3.5	4.5
16	157	5	6	9.0	14.5	127	10	10	12.0	17.5	100	14	11	9.0	15.0	81	11	11	12.0	17.0	41	10	7	3.0	4.0	49	4	7	4.0	8.5	46	6	4	3.0	5.0	28	2	5	3.0	4.5
17	155	6	6	11.5	17.0	125	9	8	14.5	19.5	100	12	10	11.0	17.5	85	13	8	7.5	14.0	49	9	10	8.0	12.5	53	4	4												
18	153	5	8	12.5	18.5	127	9	10	10.0	16.5	108	10	8	9.0	16.0	92	8	6	7.0	10.5	57	4	12	7.0	10.5	53	6	2	3.0	6.0	40	10	2	2.5	5.0	26	2	2	3.0	4.0
19	153	6	7	11.5	17.5	127	9	4	10.0	15.0	110	8	8	9.0	15.5	94	7	8	5.0	9.0	59	5	5	6.5	11.5	57	4	7	4.5	8.0	38	6	5	2.5	4.5	24	1	2	2.0	3.0
20	153	4	8	11.5	17.0	127	11	7	10.0	15.0	109	9	7	8.0	13.0	94	8	6	6.5	12.0	59	4	5	6.0	10.0	57	5	7	3.0	5.5	36	6	4	2.0	4.0	22	2	0	1.5	3.0
21	153	4	6	11.0	16.5	127	9	7	9.5	15.0	112	8	10	8.0	14.0	96	4	9	6.0	10.0	59	7	5	5.5	9.0	59	4	7	5.5	10.0	38	5	7	2.5	4.0	22	2	0	1.5	3.0
22	153	4	7	11.5	17.0	131	4	11	9.0	14.0	114	4	10	8.0	13.0	94	6	7	5.5	10.0	59	4	4	6.0	10.0	53	4	4	4.0	6.0	36	6	2	2.0	4.5	22	2	0	1.0	2.0
23	151	6	5	10.5	16.0	129	6	7	9.0	14.0	112	6	9	7.5	13.0	94	7	8	5.5	9.5	59	6	5	5.0	9.5	53	3	3	4.5	8.0	30	7	4	2.5	4.5	22	2	0	3.0	4.0

F_m = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

V_{dm} = ratio of median to lower decile in db

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

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

15 JAN 63

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Month February 1963

Frequency (Mc)									
.013									
Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df
155	4	6	110	133	8	7	95	150	113
155	4	6	95	145	132	9	6	105	150
155	4	4	95	135	131	8	3	105	160
156	3	5	90	135	131	8	4	95	155
157	2	4	95	145	133	6	6	105	150
157	4	2	90	140	133	6	8	100	150
157	2	4	90	135	127	8	2	120	180
155	2	4	100	140	125	6	4	100	150
153	4	2	110	155	125	6	10	160	210
153	4	4	110	150	121	8	10	160	220
153	4	6	110	160	123	10	14	165	215
153	4	6	110	155	121	10	10	140	200
155	6	6	95	135	124	7	11	105	160
157	6	8	90	130	127	10	8	95	140
159	5	8	90	135	131	4	16	90	140
159	4	8	105	145	130	7	11	100	145
159	4	6	110	150	129	10	8	100	150
157	4	6	100	155	129	6	10	110	160
156	3	5	105	150	131	6	10	100	150
154	5	4	100	165	133	6	8	85	135
153	7	3	90	135	131	6	4	85	140
155	4	6	100	140	131	6	4	90	145
154	5	6	105	160	131	6	6	90	140
154	3	5	105	160	131	6	4	100	160
.051									
Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df
155	4	6	110	160	133	8	7	95	150
155	4	6	95	145	132	9	6	105	150
155	4	4	95	135	131	8	3	105	160
156	3	5	90	135	131	8	4	95	155
157	2	4	95	145	133	6	6	105	150
157	4	2	90	140	133	6	8	100	150
157	2	4	90	135	127	8	2	120	180
155	2	4	100	140	125	6	4	100	150
153	4	2	110	155	125	6	10	160	210
153	4	4	110	150	121	8	10	160	220
153	4	6	110	160	123	10	14	165	215
153	4	6	110	155	121	10	10	140	200
155	6	6	95	135	124	7	11	105	160
157	6	8	90	130	127	10	8	95	140
159	5	8	90	135	131	4	16	90	140
159	4	8	105	145	130	7	11	100	145
159	4	6	110	150	129	10	8	100	150
157	4	6	100	155	129	6	10	110	160
156	3	5	105	150	131	6	10	100	150
154	5	4	100	165	133	6	8	85	135
153	7	3	90	135	131	6	4	85	140
155	4	6	100	140	131	6	4	90	145
154	5	6	105	160	131	6	6	90	140
154	3	5	105	160	131	6	4	100	160
.160									
Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df
155	4	6	110	160	133	8	7	95	150
155	4	6	95	145	132	9	6	105	150
155	4	4	95	135	131	8	3	105	160
156	3	5	90	135	131	8	4	95	155
157	2	4	95	145	133	6	6	105	150
157	4	2	90	140	133	6	8	100	150
157	2	4	90	135	127	8	2	120	180
155	2	4	100	140	125	6	4	100	150
153	4	2	110	155	125	6	10	160	210
153	4	4	110	150	121	8	10	160	220
153	4	6	110	160	123	10	14	165	215
153	4	6	110	155	121	10	10	140	200
155	6	6	95	135	124	7	11	105	160
157	6	8	90	130	127	10	8	95	140
159	5	8	90	135	131	4	16	90	140
159	4	8	105	145	130	7	11	100	145
159	4	6	110	150	129	10	8	100	150
157	4	6	100	155	129	6	10	110	160
156	3	5	105	150	131	6	10	100	150
154	5	4	100	165	133	6	8	85	135
153	7	3	90	135	131	6	4	85	140
155	4	6	100	140	131	6	4	90	145
154	5	6	105	160	131	6	6	90	140
154	3	5	105	160	131	6	4	100	160
.495									
Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df
155	4	6	110	160	133	8	7	95	150
155	4	6	95	145	132	9	6	105	150
155	4	6	95	135	131	8	3	105	160
156	3	5	90	135	131	8	4	95	155
157	2	4	95	145	133	6	6	105	150
157	4	2	90	140	133	6	8	100	150
157	2	4	90	135	127	8	2	120	180
155	2	4	100	140	125	6	4	100	150
153	4	2	110	155	125	6	10	160	210
153	4	4	110	150	121	8	10	160	220
153	4	6	110	160	123	10	14	165	215
153	4	6	110	155	121	10	10	140	200
155	6	6	95	135	124	7	11	105	160
157	6	8	90	130	127	10	8	95	140
159	5	8	90	135	131	4	16	90	140
159	4	8	105	145	130	7	11	100	145
159	4	6	110	150	129	10	8	100	150
157	4	6	100	155	129	6	10	110	160
156	3	5	105	150	131	6	10	100	150
154	5	4	100	165	133	6	8	85	135
153	7	3	90	135	131	6	4	85	140
155	4	6	100	140	131	6	4	90	145
154	5	6	105	160	131	6	6	90	140
154	3	5	105	160	131	6	4	100	160
2.5									
Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df
155	4	6	85	160	61	10	8	50	90
155	4	6	75	145	63	8	8	30	70
155	4	6	85	150	65	8	10	50	90
157	7	7	90	160	63	10	6	70	125
157	5	7	90	180	63	8	8	30	80
157	4	10	95	155	63	8	8	60	130
157	2	12	160	260	59	11	5	55	115
155	2	14	145	220	52	8	10	55	120
153	13	13	145	225	42	13	8	50	85
152	12	12	170	220	38	9	9	05	25
152	10	12	170	220	38	9	9	05	25
152	8	14	140	220	33	10	5	55	90
152	6	15	155	240	31	10	4	25	45
152	4	16	125	200	29	9	4	40	60
152	2	17	150	220	27	8	3	30	55
152	0	18	120	180	24	7	2	20	45
152	0	19	110	160	21	6	1	10	35
152	0	20	100	140	18	5	0	0	25
152	0	21	90	120	15	4	0	0	15
152	0	22	80	100	12	3	0	0	05
152	0	23	70	80	9	2	0	0	0
152	0	24	60	60	6	1	0	0	0
152	0	25	50	40	3	0	0	0	0
152	0	26	40	20	0	0	0	0	0
152	0	27	30	0	0	0	0	0	0
152	0	28	20	0	0	0	0	0	0
152	0	29	10	0	0	0	0	0	0
152	0	30	0	0	0	0	0	0	0
152	0	31	0	0	0	0	0	0	0
152	0	32	0	0	0	0	0	0	0
152	0	33	0	0	0	0	0	0	0
152	0	34	0	0	0	0	0	0	0
152	0	35	0	0	0	0	0	0	0
152	0	36	0	0	0	0	0	0	0
152	0	37	0	0	0	0	0	0	0
152	0	38	0	0	0	0	0	0	0
152	0	39	0	0	0	0	0	0	0
152	0	40	0	0	0	0	0	0	0
152	0	41	0	0	0	0	0	0	0
152	0	42	0	0	0	0	0	0	0
152	0	43	0	0	0	0	0	0	0
152	0	44	0	0	0	0	0	0	0
152	0	45	0	0	0	0	0	0	0
152	0	46	0	0	0	0	0	0	0
152	0	47	0	0	0	0	0	0	0
152	0	48	0	0	0	0	0	0	0
152	0	49	0	0	0	0	0	0	0
152	0	50	0	0	0	0	0	0	0
152	0	51	0	0	0	0	0	0	0
152	0	52	0	0	0	0	0	0	0
152	0	53	0	0	0	0	0	0	0
152	0	54	0	0	0	0	0	0	0
152	0	55	0	0	0	0	0	0	0
152	0	56	0	0	0	0	0	0	0
152	0	57	0	0	0	0	0	0	0
152	0	58	0	0	0	0	0	0	0
152	0	59	0	0	0	0	0	0	0
152	0	60	0	0	0	0	0	0	0
152	0	61	0	0	0	0	0	0	0
152	0	62	0	0	0	0	0	0	0
152	0	63	0	0	0	0	0	0	0
152	0	64	0	0	0	0	0	0	0
152	0	65	0	0	0	0	0	0	0
152	0	66	0	0	0	0	0	0	0
152	0	67	0	0	0	0	0	0	0
152	0	68	0	0	0	0	0	0	0
152	0	69	0	0	0	0	0	0	0
152	0	70	0	0	0	0			

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Month December 19 62

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	.013												.051												.160												.495												2.5												5												10												20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam				Df				Vdm				Ldm				Fam							

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming

Lat. 43.2N Long. 105.2W

Month January 1963

Hour (EST)	Frequency (Mc)											
	0.013				0.051				1.60			
	Fom	Du	Dg	Vdm	Ldm	Fom	Du	Dg	Vdm	Ldm	Fom	Du
00	154	4	2	10.0	14.0	124	6	2	3.5	7.5	97	7
01	152	2	4	10.0	16.5	126	5	4	3.0	7.0	97	6
02	154	4	2	11.0	17.0	126	4	6	4.0	7.0	97	7
03	156	2	4	11.0	17.5	126	3	4	3.0	7.0	95	9
04	156	1	4	12.0	19.0	126	3	4	3.5	7.5	96	8
05	156	2	4	12.0	18.0	124	4	2	4.0	8.0	91	8
06	154	3	2	12.0	19.0	124	4	2	3.0	7.5	89	8
07	156	1	4	12.5	19.5	118	5	3	4.5	8.5	81	6
08	152	3	2	12.5	19.0	118	3	4	2.5	6.0	69	10
09	150	4	4	11.5	18.0	110	8	4	2.5	6.5	67	14
10	149	6	4	13.0	18.5	109	9	7	2.5	7.0	67	10
11	150	4	6	10.5	17.0	112	8	6	2.0	6.0	67	14
12	150	4	6	11.0	17.0	112	8	4	2.0	6.0	69	11
13	150	4	6	11.5	17.5	112	6	4	2.5	7.0	69	12
14	148	4	4	11.0	17.5	112	5	6	2.5	7.0	67	11
15	148	4	4	12.5	18.0	110	6	6	2.5	7.0	69	7
16	148	4	5	13.0	19.5	114	3	4	2.5	6.0	75	12
17	148	6	4	12.0	18.0	118	6	4	3.5	7.5	81	16
18	150	6	6	13.0	19.5	118	7	6	3.0	6.5	85	12
19	152	4	6	13.5	20.5	122	4	5	3.0	7.0	91	6
20	152	4	5	14.0	20.5	122	3	2	3.0	7.0	93	10
21	152	5	3	13.0	19.5	124	5	4	3.5	7.0	95	8
22	154	3	4	12.0	18.5	124	5	4	3.5	8.0	97	5
23	154	4	3	12.0	18.5	124	5	3	3.0	7.0	97	7

Fom = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Dg = ratio of median to lower decile in db

Vdm = median deviation of overage voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

USCNR-101-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming

Lat. 43.2N Long. 105.2W

Month February 19 63

Hour (EST)	Frequency (Mc)																																																																															
	.013								.051								.160								.495								2.5								5								10								20																							
	Fam				D _u				D _l				V _{dm}				L _{dm}				Fom				D _u				D _l				V _{dm}				L _{dm}				Fam				D _u				D _l				V _{dm}				L _{dm}				Fam				D _u				D _l				V _{dm}				L _{dm}			
	Fam	D _u	D _l	V _{dm}	L _{dm}	Fom	D _u	D _l	V _{dm}	L _{dm}	Fam	D _u	D _l	V _{dm}	L _{dm}	Fom	D _u	D _l	V _{dm}	L _{dm}	Fam	D _u	D _l	V _{dm}	L _{dm}	Fom	D _u	D _l	V _{dm}	L _{dm}	Fam	D _u	D _l	V _{dm}	L _{dm}	Fam	D _u	D _l	V _{dm}	L _{dm}	Fam	D _u	D _l	V _{dm}	L _{dm}	Fam	D _u	D _l	V _{dm}	L _{dm}																														
00	154	4	3	9.0	16.0	126	7	6	4.0	7.5	98	12	10	9.5	17.0	80	14	5	7.0	12.0	53	10	4	3.5	7.5	54	2	6	4.0	8.0	34	8	2	2.0	4.0	24	2	0	1.0	2.5																																								
01	154	5	2	9.5	16.0	126	8	5	4.0	8.0	98	12	11	9.0	16.0	81	12	8	7.0	12.0	53	12	4	4.0	7.5	54	6	8	3.0	7.0	36	14	4	2.0	4.5	24	2	0	1.5	3.0																																								
02	154	5	4	10.0	16.0	128	5	7	3.5	7.5	98	10	8	9.0	15.0	81	10	8	7.5	13.0	51	16	2	3.5	7.5	54	8	8	3.5	6.5	36	12	4	2.0	4.5	24	2	0	1.5	2.5																																								
03	154	4	4	10.0	16.5	128	5	4	4.5	7.5	98	10	10	9.0	15.5	79	10	9	7.5	12.0	53	12	6	4.5	8.0	53	9	5	4.0	8.0	34	8	2	1.0	3.0	24	2	0	1.5	2.5																																								
04	154	5	3	10.5	17.0	128	4	4	3.5	7.0	96	10	9	9.0	15.0	75	13	7	7.0	13.0	53	10	4	4.0	7.5	54	6	4	4.0	7.5	36	8	4	2.5	4.5	26	0	2	1.0	2.5																																								
05	154	4	2	11.0	18.0	128	3	4	3.0	7.0	91	15	4	9.5	15.0	71	13	4	7.0	12.0	51	8	4	4.0	7.0	52	4	4	4.0	7.0	36	12	4	2.0	4.0	26	0	2	1.0	3.0																																								
06	154	4	2	11.0	18.0	128	4	5	2.5	6.0	90	8	10	9.0	15.0	64	10	5	5.0	7.5	49	10	4	4.0	7.0	50	4	4	4.0	7.0	42	6	6	1.5	4.0	24	2	0	1.0	2.5																																								
07	154	4	2	11.0	17.5	120	4	2	3.0	6.0	74	11	6	7.0	10.0	57	6	4	3.0	5.0	45	10	4	5.5	9.5	48	4	2	4.0	8.0	40	4	2	2.0	4.0	26	2	2	1.0	2.5																																								
08	150	2	4	11.0	17.5	118	4	4	3.0	6.5	70	15	6	5.0	8.5	55	6	4	2.5	5.0	32	3	3	2.0	4.5	36	6	2	3.0	5.5	40	4	4	2.0	4.5	26	2	2	1.5	3.0																																								
09	148	3	4	11.0	18.0	108	14	4	3.5	7.0	71	10	7	5.5	8.0	57	4	4	2.5	5.0	27	4	2	1.5	3.5	32	2	4	2.0	3.5	36	4	3	2.5	4.5	26			1.5	3.0																																								
10	148			11.0	17.5	112	2	6	3.0	6.5	74	12	12	10	5.0	9.0	55	4	3	2.0	4.0	26			2.0	4.0	28	4	2	2.0	4.0	36	2	4	2.5	4.5	26	2	1	2.0	4.0																																							
11	148	4	4	10.5	16.0	114	4	8	3.0	6.0	72	14	8	4.0	6.5	55	4	2	2.5	4.5	25	2	2	2.0	4.0	28	4	2	2.0	4.0	36	4	4	2.5	4.5	26	2	2	2.0	4.0																																								
12	149	5	5	10.5	16.5	114	5	6	3.0	6.0	72	10	10	4.0	6.0	55	4	2	2.5	5.0	25	2	2	2.0	4.0	28	4	2	2.0	3.5	36	4	2	2.0	4.0	26	4	2	2.5	4.0																																								
13	150	4	8	10.5	16.0	116	5	6	2.5	6.0	72	12	6	4.5	8.0	55	6	4	2.0	5.0	25	2	2	1.5	4.0	28	6	2	2.0	3.5	38	4	4	2.0	4.0	26	4	2	2.5	4.0																																								
14	150	4	6	11.5	17.0	114	7	6	2.0	5.5	72	12	8	3.0	5.0	57	1	4	3.0	5.0	25	2	2	1.5	4.0	30	4	2	2.0	3.5	40	8	6	2.5	5.0	26	4	2	1.0	3.0																																								
15	148	4	5	12.0	18.0	112	7	4	2.5	5.5	70	16	5	4.0	6.5	56	3	3	2.5	5.0	27	4	3	2.0	3.5	32	7	4	1.5	3.5	44	9	5	1.5	4.0	26	1	2	1.5	3.5																																								
16	148	4	6	13.0	19.0	114	6	6	3.0	6.5	76	11	11	5.0	10.0	59	3	4	3.0	6.0	30	5	5	2.5	5.0	40	5	4	2.0	4.0	46	9	5	2.0	4.5	24	2	2	2.0	3.5																																								
17	148	6	6	13.0	19.0	120	3	3	3.0	6.0	86	14	10	8.5	15.0	65	13	7	5.0	8.0	31	6	4	1.0	3.5	50	4	4	2.5	5.0	43	12	3	2.5	5.0	24	0	2	1.5	3.0																																								
18	149	5	5	12.0	18.0	122	4	4	3.0	6.5	92	12	10	9.0	16.0	70	11	5	5.0	9.0	49	4	4	3.0	6.0	52	3	4	3.5	6.0	43	6	9	2.5	4.5	24	0	2	1.5	3.0																																								
19	150	6	4	12.5	19.0	124	6	5	3.0	6.0	90	16	9	9.5	16.0	74	10	7	6.5	10.5	57	8	4	3.0	6.0	52	3	4	3.5	6.0	36	16	4	2.5	4.5	24	0	2	1.5	3.0																																								
20	150	6	4	12.5	19.5	124	6	3	2.5	6.0	92	10	10	9.0	16.0	77	11	7	6.0	10.0	51	9	3	3.0	6.0	52	3	4	4.0	7.0	34	5	4	2.0	3.5	24	0	2	1.5	3.0																																								
21	152	4	5	12.5	19.0	126	4	5	2.5	5.5	92	11	8	9.5	16.0	77	13	6	6.5	10.0	52	9	3	3.0	6.0	52	4	3	3.5	7.5	34	6	4	1.5	3.5	24	0	2	1.5	3.0																																								
22	152	6	4	10.5	17.0	126	5	5	3.0	6.0	94	14	9	10.0	17.0	79	10	6	6.0	10.5	52	7	2	3.5	6.5	52	4	3	3.5	7.0	34	7	3	1.5	3.5	24	0	2	1.0	3.0																																								
23	154	4	4	10.0	16.0	126	6	6	3.0	6.5	96	12	9	10.0	17.5	81	9	7	8.0	13.5	53	8	2	3.0	6.5	55	4	6	2.5	5.5	34	7	2	1.5	3.5	24	0	0	1.5	3.0																																								

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

150000-001-01

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W

Month January 1963

Hour (EST)	Frequency (Mc)											
	.013				.051				.160			
	F _m	D _u	V _d	L _d	F _m	D _u	V _d	L _d	F _m	D _u	V _d	L _d
00	154	95	150	122	30	60	65	120	97	97	97	97
01	154	95	145	122	40	65	75	130	95	95	95	95
02	154	100	155	122	40	65	75	130	93	93	93	93
03	154	95	160	121	50	80	80	130	93	93	93	93
04	153	110	170	122	40	65	75	130	91	91	91	91
05	152	110	170	121	40	80	75	115	85	85	85	85
06	154	110	170	118	35	60	70	110	83	83	83	83
07	154	115	180	118	25	70	75	80	76	76	76	76
08	157	100	160	114	30	55	71	100	71	71	71	71
09	148	100	150	108	30	60	75	100	75	75	75	75
10	150	100	150	108	25	50	77	100	77	77	77	77
11	150	90	140	110	15	40	75	100	75	75	75	75
12	149	5	80	130	20	50	77	16	77	77	77	77
13	150	2	90	140	25	50	77	25	77	77	77	77
14	148	95	145	110	20	55	76	40	76	76	76	76
15	148	110	170	108	35	60	77	35	77	77	77	77
16	148	115	180	112	30	60	85	40	85	85	85	85
17	148	4	115	165	40	70	90	55	90	90	90	90
18	151	3	105	165	30	65	91	6	91	91	91	91
19	150	6	115	170	25	55	95	14	95	95	95	95
20	151	3	110	170	30	60	91	6	91	91	91	91
21	152	4	115	175	40	75	93	16	93	93	93	93
22	154	100	150	150	50	75	93	13	93	93	93	93
23	154	100	155	123	40	65	97	4	97	97	97	97

F_m = median value of effective antenna noise in db above k1b

D_u = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_d = median deviation of average voltage in db below mean power

L_d = median deviation of average logarithm in db below mean power

USCAR-REC-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W

Month February 19 63

Hour (ST)	Frequency (Mc)											
	.013				.051				.160			
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du
00	155	2	2	9.0	15.0	126	5	7	4.0	9.0	94	16
01	155	2	4	8.0	14.0	128	5	8	4.5	10.0	96	14
02	155	8	3	9.5	16.5	126	9	5	5.0	8.0	96	14
03	155	3	4	9.5	15.5	128	6	4	5.0	9.0	96	12
04	155	4	4	8.5	16.0	128	6	5	4.5	8.5	92	16
05	155	2	4	7.0	16.0	128	3	4	3.0	7.0	89	23
06	155	3	2	10.5	16.0	126	4	3	4.0	8.0	84	10
07	155	2	3	9.0	16.0	122	3	3	4.0	7.5	74	17
08	151	2	6	9.0	15.0	117	7	6	3.5	7.0	72	14
09	149	2	4	7.0	13.0	111			4.5	8.0	74	
10	147			8.5	13.0	111			3.0	7.0	78	
11	149	4	7	7.0	10.0	114	5	13	3.5	6.5	76	9
12	150	3	5	8.5	10.0	116	4	11	3.5	7.5	75	11
13	151	2	5	7.0	13.0	118	3	12	3.0	6.5	74	12
14	151	2	4	7.0	10.0	114	6	10	3.0	7.0	74	12
15	149	4	5	9.0	16.0	114	6	7	3.5	6.5	74	11
16	149	2	5	6.0	11.0	118	2	9	2.5	6.0	78	14
17	149	4	4	7.0	13.0	120	7	2	3.0	7.0	88	13
18	148	7	3	7.0	16.0	122	7	6	3.0	7.0	92	15
19	150	1	3	9.0	16.0	124	5	4	2.5	7.0	91	14
20	151	2	4	10.0	17.0	124	3	6	4.0	7.5	94	10
21	151	3	2	10.0	15.0	124	5	2	4.5	8.5	93	10
22	153	2	4	11.0	16.0	124	4	6	3.5	7.5	92	14
23	153	4	2	10.0	16.0	124	5	6	5.0	9.0	96	14

Fom = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = 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

150246-10-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.05 Long. 120.0W Month October 19 62

Hour (ST)	Frequency (Mc)											
	.051			.113			.246			.545		
	F _{am}	D _u	D _f	F _{am}	D _u	D _f	F _{am}	D _u	D _f	F _{am}	D _u	D _f
00	104	6		84	8	6	65	3	1	49	10	4
01	106	6	12	84	8	6	65	3	1	49	8	4
02	104	6	6	86	6	6	65	2	1	49	5	4
03	104	4	6	86	6	6	66			52		
04	104	6	8	88	6	6	66			52		
05	102	10	4	86	6	4	66	11	2	49	8	4
06	102	10	6	84	8	6	65	11	1	49	6	4
07	102	12	4	84	8	6	66	7	2	49	4	4
08	100	8	2	84	8	8	66	7	2	47	6	2
09	102	8	6	84	6	4	67	8	3	47	10	2
10	102	8	4	84	10	4	66	5	2	49	2	4
11	104	8	8	88	6	8	66	4	2	47	4	2
12	104	8	8	86	6	8	65	5	1	47	3	1
13	104	8	11	86	4	7	66	3	2	47	4	2
14	104	8	10	84	8	6	65	3	1	47	4	2
15	105	5	7	86	5	4	65			47		
16	103	7	7	90	6	4	85			47		
17	106	6	8	86	10	6	66	4	2	47	6	2
18	104	8	8	86	10	6	65	5	1	47	10	2
19	104	8	10	86	8	6	65	4	1	47	10	2
20	102	12	6	86	8	6	66	1	2	47	6	2
21	102	10	4	85	9	5	65	3	3	47	7	2
22	103	9	9	88	5	9	65	4	1	49	4	4
23	104	8	12	86	6	8	65	4	1	47	7	2

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

D_u = ratio of upper decile to median in db

D_f = 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

This sheet is a correction for corresponding sheet appearing in Tech Note 18-16 for F_{am} - 20 Mc

USDA-M-16-1

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6S Long. 130.4E

Month December 1962

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}				
	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}				
00	158	4	4	11.0	17.0	137	4	36	8.0	14.5	114	6	4	7.0	13.5	98	6	4	6.0	12.0	69	4	9	5.5	9.5	58	4	3	6.0	11.5	48	2	4	6.0	9.0	22	3	2	3.0	4.0
01	158	4	4	10.0	16.0	137	6	21	9.0	15.5	114	6	4	6.5	11.5	95	5	7	6.0	11.5	68	5	8	5.5	10.0	58	3	4	5.0	9.0	46	8	4	6.0	9.5	22	1	2	2.5	4.0
02	158	4	4	10.0	16.5	136	7	11	8.5	15.0	114	4	4	6.0	12.0	98	5	6	7.0	12.5	67	6	9	6.0	10.0	58	4	4	5.5	9.0	44	5	4	5.0	8.5	22	1	3		
03	158	2	6	10.0	16.0	135	6	41	9.0	16.0	112	4	6	7.5	15.0	90	6	7	7.0	13.0	67	4	10	6.0	10.0	58	4	3	4.0	8.5	42	4	4	5.0	8.0	22	0	3	2.5	4.0
04	156	2	4	10.5	17.5	133	6	36	7.0	17.0	110	6	6	9.0	16.0	86	8	11	9.5	16.5	65	5	13	7.0	12.0	56	4	2	5.5	9.5	40	3	6	5.0	8.0	22	2	3	3.0	5.0
05	154	4	4	11.0	16.5	125	6	36	9.0	15.0	92	9	6	11.5	19.0	48	16	26	7.0	10.0	57	7	21	6.5	11.0	52	5	2	5.0	9.5	44	3	6	4.5	6.5	23	0	4	3.0	4.0
06	152	4	2	10.5	17.0	124	7	37	10.0	17.0	85	16	12	12.0	18.0	44	20	22	4.5	7.0	41	8	6	7.5	13.5	40	11	4	6.5	11.0	38	6	3	5.0	7.5	22	1	2	4.0	5.5
07	152	4	4	12.0	19.0	119	9	236	11.5	18.5	82	15	12	6.0	10.5	44	10	22	5.5	8.0	31	9	8	9.0	12.5	32	10	9	8.0	12.5	34	5	4	5.0	7.0	22	2	2	2.5	3.0
08	152	4	4	13.0	20.0	121	6	238	12.0	20.0	86	10	12	11.0	18.0	42	12	20	4.0	5.5	33	4	11	7.0	10.0	26	10	8	8.0	12.0	30	6	4	2.5	3.5	22	2	4	2.5	3.0
09	152	4	6	11.5	18.5	121	6	238	8.0	15.0	87	12	21	6.0	12.0	42	12	20	4.0	6.5	32	4	11	8.0	10.0	20	12	4	10.0	14.0	28	4	9	8.5	12.0	22	2	2	3.0	4.5
10	152	5	8	13.0	20.5	119	10	35	11.5	19.0	86	11	20	7.0	13.5	44	8	22	6.0	8.5	32	4	11	8.0	10.0	19	11	6	8.0	12.5	28	3	9	4.0	6.0	22	2	2	3.0	4.5
11	153	5	6	12.5	20.0	125	7	36	12.0	20.5	93	12	17	8.0	13.0	48	16	26	4.0	7.0	32	4	11	8.0	10.0	18	7	4	6.0	9.5	28	5	7	5.0	7.5	22	3	2	3.5	6.0
12	154	6	8	11.0	17.5	125	6	35	9.5	17.0	96	14	14	7.5	14.5	49	24	27	5.0	8.0	32	4	11	8.0	10.0	20	10	6	5.0	7.5	30	6	6	5.0	8.0	23	2	3	3.0	5.0
13	155	4	4	10.5	17.0	129	4	21	7.0	12.5	97	17	7	5.5	11.5	54			7.0	10.0	22	12	3	5.0	7.0	22	12	3	5.0	7.0	32	5	5	5.0	8.0	24			4.0	5.0
14	158			8.0	14.0	131			6.0	13.0	99			9.0	14.0	56			9.0	14.0	27			5.0	6.0	30			4.5	7.0	34			5.0	8.0	25			3.5	5.0
15	158			7.5	12.5	133			7.0	12.0	99	17	9	5.5	9.5	55	37	12	6.5	10.5	25	26	24			34	12	6	8.0	14.0	38	6	5	5.0	7.0	26	4	4	4.0	6.5
16	158	5	4	7.0	12.0	133	5	6	5.0	8.0	101	11	11	7.0	11.5	56	22	10	7.5	14.0	31	29	20	6.0	8.0	40	6	8	5.0	8.0	42	4	4	5.0	8.0	26	6	3	3.0	5.5
17	158	4	6	7.0	13.0	133	2	12	5.0	9.0	101	11	13	6.0	11.0	54	21	6	6.0	11.0	42	11	11	4.0	5.0	46	6	6	4.0	6.5	46	4	6	4.0	6.0	27	4	5	3.5	5.0
18	156	6	4	8.0	13.0	131	8	10	5.0	9.0	104	8	6	4.5	8.0	74	10	15	4.0	7.0	55	8	8	4.0	7.0	52	4	4	4.0	7.0	48	0	6	4.5	7.5	26	4	4	4.0	5.5
19	156	6	4	9.0	15.0	133	4	14	5.5	10.0	114	4	6	5.5	10.5	90	8	6	3.5	7.0	65	6	9	4.0	7.0	59	3	3	4.0	7.0	48	4	4	4.5	8.0	25	3	3	3.0	5.0
20	158	4	4	8.0	13.5	135	6	18	6.5	12.0	116	2	6	3.5	11.0	94	6	6	4.0	7.5	71	4	8	4.0	7.5	60	4	2	6.5	9.5	52	0	7	5.0	8.0	23	3	3	4.5	6.5
21	158	6	4	7.5	13.0	135	6	10	6.5	11.5	114	6	2	5.0	9.5	96	6	4	6.0	12.0	71	4	6	5.5	10.5	60	4	5	5.0	10.0	49	7	5	5.5	9.0	22	4	2	3.0	4.0
22	158	4	4	9.5	16.0	135	7	33	6.5	12.0	114	6	4	5.0	10.0	96	4	6	5.0	11.0	69	4	5	6.0	11.0	58	6	2	5.0	9.5	48	25	4	11.0	14.0	22	4	2	3.0	5.0
23	158	4	6	9.0	15.0	135	4	27	8.0	15.0	114	4	6	5.0	11.0	96	4	6	5.5	10.0	69	4	7	6.5	11.0	58	4	4	5.5	9.0	50	0	7	6.5	10.5	22	4	2	3.0	4.0

F_{am} = median value of effective antenna noise in db above k1b

D_f = ratio of upper decile to median in db

D_f = 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

12-5814-101-10

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6S Long. 130.4E

Month January 1963

Hour (LST)	Frequency (Mc)																			
	.013					.051					.160					.545				
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm
00	159	6	6	10.0	16.0	138	5	6	8.5	16.5	115	4	6	7.5	15.0	94	7	4	6.5	14.0
01	158	6	4	9.5	15.0	138	4	6	9.0	17.0	115	4	8	8.0	17.0	94	4	4	8.0	16.0
02	159	8	2	9.5	15.5	138	8	6	10.0	17.0	115	4	8	9.5	17.0	94	7	7	10.0	17.0
03	158	6	4	9.5	16.0	137	5	3	10.5	18.5	115	2	7	8.0	14.0	94	3	7	8.5	17.5
04	157	5	4	10.0	17.0	135	7	6	11.0	18.0	111	6	8	12.0	21.5	90	4	8	9.0	20.0
05	155	5	3	10.0	16.0	130	5	8	10.5	17.5	99	8	7	11.5	19.0	62	16	10	7.5	16.0
06	154	3	6	11.0	19.0	126	8	8	11.0	19.0	89	11	16	12.5	20.5	44	14	2	7.0	10.5
07	152	5	4	12.0	20.5	121	9	8	13.5	21.5	87	16	14	12.5	22.0	46	9	4	5.5	8.5
08	153	5	6	13.5	21.0	121	6	9	15.0	23.0	86	11	11	11.5	19.0	44	9	2	3.5	5.5
09	152	7	4	14.0	22.0	124	8	8	16.0	20.5	91	5	12	12.0	20.0	44	13	2	3.5	5.0
10	154	3	6	13.5	21.5	126	7	7	11.0	18.5	87	14	4	8.5	16.5	46	21	4	3.0	5.0
11	154	5	5	13.0	21.5	128	7	12	10.5	21.0	91	17	13	8.0	16.0	54	26	8	7.5	11.5
12	155	5	7	13.5	21.5	132	4	16	10.0	19.0	99	12	17	9.0	15.5	52	32	10	8.0	14.5
13	158	5	8	10.5	16.5	130	8	10	8.0	14.0	101	10	20	5.0	10.0	58	28	15	4.0	7.0
14	160	3	10	8.5	14.5	136	4	14	7.5	12.5	103	14	20	6.5	12.0	60	30	17	7.0	10.5
15	160	5	7	8.5	14.0	134	8	7	7.0	12.0	105	12	9	7.5	13.5	60	26	7	6.5	10.0
16	161	4	7	9.0	14.0	134	6	9	7.0	12.0	103	16	18	9.5	16.0	60	17	15	8.0	13.5
17	160	3	8	9.0	14.5	132	6	9	7.5	13.0	104	11	12	8.0	13.0	60	14	11	9.0	14.0
18	159	5	7	9.0	16.0	135	6	9	7.0	13.0	105	8	12	7.0	11.0	76	10	10	4.0	7.5
19	159	4	7	9.0	15.0	135	7	5	7.0	12.0	113	4	7	4.5	9.0	90	7	8	4.0	8.0
20	161	5	9	10.0	16.0	139	3	9	6.5	13.0	117	3	10	5.0	10.0	96	5	8	4.5	9.0
21	161	5	9	10.0	17.0	139	5	9	7.5	11.5	117	2	10	6.5	11.0	96	4	7	5.0	10.5
22	160	5	8	10.5	17.5	138	6	8	8.0	14.0	115	4	7	6.0	13.0	96	5	8	6.0	13.0
23	158	8	5	11.0	18.0	138	5	5	9.0	16.0	115	5	9	8.0	14.0	96	6	8	6.0	14.0

Fom = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = 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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6S Long. 130.4E

Month February 1963

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	.013						.051						160						.545						2.5						5						10						20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	Fam			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
00	162	4	6	85	145	140	4	4	75	150	117	4	9	80	160	100	4	6	65	135	71	4	8	40	85	61	2	4	40	90	45	3	5	40	85	21	2	0	25	40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
01	162	4	4	80	140	139	5	6	80	155	117	2	4	65	135	98	4	6	55	125	71	4	6	45	100	61	2	7	45	90	47	2	5	45	80	21	2	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
02	162	2	4	75	130	140	4	5	70	145	113	6	7	75	150	96	2	6	55	130	69	4	4	50	110	61	2	4	40	90	46	6	6	45	80	21	2	0	30	50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
03	162	2	4	80	130	138	5	6	85	165	113	6	4	90	175	95	5	5	80	170	73	4	6	50	110	63	2	6	50	95	43	4	5	50	100	22	1	1	35	25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
04	160	4	2	85	140	137	3	5	85	140	113	4	9	75	145	92	6	6	85	185	69	2	8	60	110	63	2	4	45	90	39	6	6	50	70	23	0	2	30	55																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
05	160	4	4	80	150	132	6	6	80	140	107	4	12	90	170	76	12	14				67	4	10	60	130	61	2	6	50	100	39	2	6	45	70	23	0	2	30	45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
06	158	4	2	85	150	128	3	4	95	170	93	7	14	25	205	54	7	12				55	8	8	80	140	51	7	5	50	90	43	2	6	45	70	23	0	2	30	50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
07	156	2	4	100	170	127	6	12	20	200	88	10	10	130	220	48	20	6	50	85	43	4	10	90	160	43	4	13	70	125	39	4	6	40	70	23	2	2	30	50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
08	156	4	6	120	195	120	9	5	125	210	85	10	9	135	220	48	24	6				29	12	4	90	130	32	9	6	85	140	35	2	5	50	75	23	2	2	50	65																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
09	156	4	4	120	195	122	5	6	135	215	89	6	6	130	220	46	18	4	35	70	27						29	6	10	85	135	31	4	3	45	65	23	2	2	25	40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
10	156	5	6	120	190	122	5	3	120	210	89	6	7	120	210	46						37						23	13	2	95	120	29	7	2	40	55	23	1	2	25	45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
11	156	4	6	130	205	124	6	7	130	210	89	7	8	100	180	42	13					27						21	7	5	75	110	27	6	2	40	70	23	0	2	30	50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
12	158	2	6	120	200	128	6	8	130	225	92	10	10	100	185	51	7	6	30	50	48							23	6	4	55	95	29	6	4	50	75	23	4	2	25	50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
13	158	6	4	115	190	130	4	8	110	220	95	12	3	90	170	54	14	8				26						25	8	6	55	90	31	8	6	50	80	23	2	2	30	60																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
14	160	4	7	105	180	131	5	5	90	165	99	12	8	85	140	51						27						27	13	8	50	95	33	6	6			23	4	2	25	45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
15	160	8	2	90	170	135	3	6	65	120	107	4	16	90	160	58	22	12	185	255	32							36																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = 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

USCDA-N

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin

Lat. 60-70S Long 52.5-67.5W Month December 19 62

Hour (LST)	Frequency (Mc)											
	.013			.051			.160			.495		
	F _{am}	D _u	D _f V _{dm} L _{dm}	F _{am}	D _u	D _f V _{dm} L _{dm}	F _{am}	D _u	D _f V _{dm} L _{dm}	F _{am}	D _u	D _f V _{dm} L _{dm}
00	148			115			82			76		
01	148			117			88			76		
02	150			113			86					
03	146											
04	146			109			84			78		
05	146			107			76			76		
06	146									72		
07	146						78			74		
08	148			99			80			74		
09	148			109			76			70		
10	146			105			80			74		
11	149			108			76			69		
12	149			111			75			72		
13	152			115			81			70		
14	154			117			90			72		
15	154			113			76			67		
16	153			109			74			68		
17	151			107			72			69		
18	148			108			70			68		
19	146			107			65			65		
20	146			109			79			71		
21	147			114			84			77		
22	146			118			83			77		
23	146			117			84			76		

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

D_u = ratio of upper decile to median in db

D_f = 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 USNS Eltanin Lat. 50-60S Long. 67.5-82.5W Month December 1962

Frequency (Mc)																																							
.013					.051					.160					.495					2.5					5					10					20				
F _m [†]	D _f	V _{dm} [†]	L _{dm} [†]	F _m [†]	D _f	V _{dm} [†]	L _{dm} [†]	F _m [†]	D _f	V _{dm} [†]	L _{dm} [†]	F _m [†]	D _f	V _{dm} [†]	L _{dm} [†]	F _m [†]	D _f	V _{dm} [†]	L _{dm} [†]	F _m [†]	D _f	V _{dm} [†]	L _{dm} [†]	F _m [†]	D _f	V _{dm} [†]	L _{dm} [†]	F _m [†]	D _f	V _{dm} [†]	L _{dm} [†]								
00	150		121					90					76		6.5	11.5	61		4.0	8.0	53			4.5	8.5	47		2.5	6.5	28		1.5	3.5						
01	150		123					90		6.0	11.5		76				62		4.0	8.0	55			5.0	9.0	41		3.0	7.0	26		4.0	6.0						
02	150		119					82					70		3.5	2.5	61		7.5	10.0	55			3.0	7.0	43		3.0	7.0	26		2.0	3.5						
03	150		117					71					70		2.0	5.5	57		4.0	8.5	50			5.0	10.0	38		3.0	6.5	27		2.0	3.5						
04	146		113					73					64		7.5	10.0	45		4.0	7.0	46			5.0	9.0	37		4.0	8.0	27		2.0	4.5						
05	150		112					68					64				45		4.5	7.5	39			4.5	8.0	35		4.0	7.0	28		2.5	4.5						
06	146		111					71					70				45		5.5	9.0	39			6.0	9.5	35		5.5	10.5	30		4.0	6.0						
07	146		108					67					63				45				37			4.5	8.0	35				31		1.5	3.5						
08	147		108					73					65				49				41					33				34		3.5	6.0						
09	148		110					79					68													36		5.0	8.0	35									
10	148		113					79					62													35		3.5	7.0	36									
11	150		119					83					66													31		3.0	5.5	32									
12	152		122					82					73													33		2.5	5.0	32									
13	153		121					83					64													31		4.0	7.5	30									
14	152		119					79					62													33		3.0	6.0	30									
15	152		119					85					71													33		3.0	6.5	30									
16	151		116					80					62								40			6.5	6.5	33		3.0	6.0	30									
17	150		113					74					66								41			5.0	8.5	38		3.5	5.0	28									
18	150		114					78					65				48			3.5	6.5	45			5.0	8.0	43		4.0	6.5	30		1.5	3.5					
19	151		117					85					69				57			5.0	7.5	49			2.0	5.0	41		3.5	5.5	28		3.0	5.0					
20	150		122					72					76				62			4.0	7.0	51			4.5	6.5	39		2.0	4.5	28		1.5	3.0					
21	150		123					75					76				64			5.5	9.0	53			4.0	7.0	41		3.0	7.0	28		2.0	4.0					
22	150		125					97					78				64			5.0	9.0	53			4.5	8.0	53		4.0	6.5	28		2.0	4.0					
23	150		123					96					76		4.0	7.5	64			5.5	9.0	55			5.0	9.0	45		5.0	9.5	29		2.5	4.0					

F_m = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

V_{dm} = ratio of median to lower decile in db

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

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

15-00000-10-10

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin Lat. 50-60 S Long. 67.5-82.5 W Month January 19 63

Time (UT)	Frequency (Mc)											
	.013			.051			.160			.495		
	F _{am} [†]	D _u [†]	V _{dm} [†]	F _{am} [†]	D _u [†]	V _{dm} [†]	F _{am} [†]	D _u [†]	V _{dm} [†]	F _{am} [†]	D _u [†]	V _{dm} [†]
00												
01												
02												
03												
04												
05												
06												
07												
08	142		95	145	102		115	185		52		
09	148		115	175	114			71	100	135	59	
10	152				120		90	145	90	135	49	
11	154		85	135	122		75	115	79		63	
12	156				124			79	100	170	61	
13	156				126		65	105	85	160	61	
14	156				126		60	100	75	145	63	
15	156				124		65	115	85	150	61	
16	154				124		80	110			61	
17	154		85	135	120		90	135		20	40	52
18	150		95	185	120			83	25	45	48	
19	148		120	190	120			93	30	50	48	
20	148				126			105			52	
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

UCS-44-487-11

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin

Lat. 50-60 S Long. 52.5-67.5 W Month January 19 63

Frequency (Mc)

Hour (LST)	.013				.051				.160				.495				2.5				5				10				20						
	F _{am} [*]	D _l	V _{dm} [*]	L _{dm} [*]	F _{am} [*]	D _u	D _l	V _{dm} [*]	L _{dm} [*]	F _{am} [*]	D _u	D _l	V _{dm} [*]	L _{dm} [*]	F _{am} [*]	D _u	D _l	V _{dm} [*]	L _{dm} [*]	F _{am} [*]	D _u	D _l	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		90 145	128	102				86			3.5	6.5	69		5.0	7.5	66		4.5	7.0	45		4.0	6.0	29		1.5	3.0						
01	150		80 140	127	103				80					68		5.0	8.5	48		5.5	8.5	48		5.5	8.5	33		2.5	4.0						
02	150		10.5 14.5	126	99				78			8.5	10.5	74		4.5	7.0	62		5.0	7.5	45		3.5	5.5	28		2.0	4.0						
03	148			119	90				71			8.5	14.5	68		6.0	9.5	59		4.5	7.0	44		5.0	7.0	29		2.0	3.5						
04	148			116	73				60					56		6.0	9.0	56		5.0	8.0	42		6.0	8.0	28		4.5	6.5						
05	150			114	73				60			2.5	4.5	56		5.0	7.5	51		5.0	7.5	51		7.0	10.0	33		6.0	7.5						
06	149			111	72				62			9.5	13.5	62		5.2		46		5.0	7.0	43		6.5	9.0	29									
07	148			110	76				60			4.5	7.0	36		39		36		4.0	5.5	38		4.0	5.0	28		3.0	5.0						
08	148			110	74				62			4.0	6.0	34		32		34		6.0	7.0	29		4.0	5.5	29		2.0	3.0						
09	148			110	74				62			3.5	5.5	34		34		34		5.5	7.5	33		8.0	9.0	29		2.5	4.5						
10	149			116	74				62			5.0	6.5	34		34		34		6.5	9.0	40		4.0	5.5	27		2.5	3.5						
11	151			117	76				64			4.5	6.0	32		33		32		4.0	6.0	29		3.5	5.0	28		2.5	3.5						
12	152			120	80				64			4.5	6.0	30		32		30		6.0	7.5	32		3.0	4.5	33		1.5	2.0						
13	154			120	84				60			3.0	4.5	38		34		38		5.5	8.0	35		4.0	5.5	29		3.0	4.5						
14	154			124	82				60			4.5	6.0	42		33		42		4.0	5.0	31		4.0	5.0	31		2.5	4.5						
15	156			126	86				62			4.0	6.5	44		36		44		3.0	5.0	41		3.0	7.0	31		3.0	4.0						
16	158			123	88				62			3.5	5.0	48		35		48		3.5	5.5	45		3.5	5.5	33		2.5	4.5						
17	156			122	84				62			2.5	5.0	46		44		46		2.5	5.0	45		2.5	5.0	31		2.5	4.0						
18	154			121	82				62			3.5	6.5	48		50		48		4.0	6.0	47		2.5	5.5	31		2.0	4.0						
19	154			118	92				71			3.5	6.0	54		54		54		3.0	5.5	47		3.0	5.5	31		2.5	4.5						
20	154			118	92				77			2.0	6.5	60		64		60		3.0	5.5	47		3.5	6.0	29		1.5	4.0						
21	152			130	104				80			3.5	5.5	64		68		64		3.5	6.0	47		4.0	6.0	28		2.0	3.0						
22	150			132	107				89			4.0	6.5	64		68		64		4.0	6.5	49		3.5	6.0	35		1.0	2.5						
23	156			127	98				82			4.0	6.0	63		72		63		3.0	5.0	47		4.5	6.5	32		3.0	4.0						

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

10700-1-1-1-1-1

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70.5 Long. 37.5-52.5W Month February 19 63

Hour (LST)	Frequency (Mc)																																										
	.013				.051				.160				.495				2.5				5				10				20														
	Fom	Du	Df	Vdm	*Ldm	Fom	Du	Df	Vdm	*Ldm	Fom	Du	Df	Vdm	*Ldm	Fom	Du	Df	Vdm	*Ldm	Fom	Du	Df	Vdm	*Ldm	Fom	Du	Df	Vdm	*Ldm	Fom	Du	Df	Vdm	*Ldm								
00	147	7	4	10.0	150	122	6	7	7.0	120	93	12	10	10.0	16.0	80	3	4	7.5	14.0	59	8	5	3.0	5.0	6.1	5	5	3.0	6.0	43	7	4	3.5	5.0	30	2	3	3.0	4.5			
01	148	6	7	10.5	16.5	120	9	6	8.0	125	95	12	11	8.0	130	82	4	9	7.5	14.0	58	7	3	3.5	5.5	6.1	3	6	2.5	4.0	46	5	6	3.0	5.0	30	*		1.5	2.0			
02	148	5	6	11.0	17.5	120	8	5	8.5	135	91	11	4	8.5	170	80	4	7	8.0	15.0	60	3	7	4.0	6.0	5.9	4	6	3.0	5.5	44	8	5	3.0	5.0	30	4	4	2.0	3.0			
03	146	6	8	13.0	19.0	118	10	9	9.0	150	91	9	6	9.5	170	78	2	6	7.5	14.5	57	9	3	7.0	10.0	63	8	8	3.0	6.0	42	9	5	3.5	5.0	28	2	1	2.0	2.5			
04	146	5	8	13.0	19.5	114	8	7	9.0	130	85	9	9	13.0	190	70	22	10	8.0	12.5	54	8	6	5.0	7.5	6.1	8	4	4.0	7.0	42	15	6	4.0	5.0	30	12	3	1.0	2.5			
05	146	5	8	14.0	21.0	113	12	7	8.5	135	77	14	11	5.5	9.0	63	27	13	4.5	13.0	48	21	9	4.5	18.0	6.5	6	6	4.0	7.0	40	28	5			30	17	1					
06	144	6	6	8.0	16.5	108			9.5	130	69	17	7	5.0	9.5	63	13	9	2.5	4.0	50	12	23				57	17	4	10.5	14.0	42	19	8	2.5	4.5	30	8	3	2.5	4.0		
07	144	3	8	11.5	17.5	102	10	8	11.0	155	67	2	6	6.5	8.5	58	5	4	3.0	5.5	50	4	26	4.0	6.5	4.5	6	4	4.0	7.5	34	2	2	2.0	3.0	28	14	1	2.5	4.5			
08	146	3	8	10.0	15.5	102	6	5	7.5	10.5	65	13	3	7.5	9.0	60	3	7	3.5	7.0	42	12	17	6.5	10.0	3.9	5	2	3.5	5.5	32	3	2	3.0	4.5	28	5	0	1.5	2.0			
09	146	4	15	9.0	14.0	101	9	4	10.5	15.0	68	11	4	8.0	9.0	61	4	7	3.5	6.0	32	19	8	5.0	9.5	3.7	6	4	5.0	7.0	32	5	2	3.0	5.0	29	2	1	2.0	3.5			
10	146	3	1	7.0	11.0	106	12	11	7.0	10.0	67	8	5	5.0	7.0	61	6	6	2.5	4.5	35	18	13	3.0	5.0	3.9	5	11	5.0	8.0	30	5	1	3.0	6.0	30	2	2	2.0	4.0			
11	147	4	4	7.0	11.0	103	12	7	5.5	8.5	67	10	6	7.0	9.5	62	5	9	2.5	5.0	32			4.0	6.0	3.6	7	8	5.0	8.0	31	2	2	2.0	4.0	30	0	2	2.0	4.0			
12	148	4	6	7.0	11.0	110	7	14	9.0	130	69	9	6	5.0	7.0	60	10	6	2.5	4.0	32	22	9	2.0	4.0	3.5	9	7	4.0	7.5	30	3	4	2.0	5.0	28	3	1	1.5	3.5			
13	150	3	6	8.0	13.0	110	11	12	8.0	130	71	14	8	8.5	10.0	60	4	4	2.0	4.5	30	23	7	2.5	4.0	3.3	10	5	5.0	7.0	32	4	4	2.0	3.5	30	*		2.5	5.0			
14	150	4	5	9.0	13.0	112	9	8	10.0	150	69	12	6	3.5	6.0	62	6	4	2.0	4.0	30	24	6	2.0	4.0	3.3	11	5	5.5	8.0	32	2	2	2.5	4.0	28	3	0	1.5	3.0			
15	152	3	5	9.0	14.0	112	7	7	8.0	125	68	14	5	3.0	5.0	62	5	5	2.0	4.0	44	10	20	7.0	8.5	3.5	16	7	7.0	9.0	32	5	4	1.0	2.5	28	12	2	2.5	4.0			
16	152	3	4	9.5	14.5	113	7	8	5.5	9.5	71	10	7	2.5	4.5	61	6	9	3.5	6.5	42	16	17	3.0	4.5	3.9	6	7					36	6	3	3.0	4.0	28	3	0	1.5	3.0	
17	150	5	6	8.0	12.5	112	5	7	7.0	110	73	12	9	6.0	6.5	61	9	4	2.5	4.0	46	9	17	4.0	7.0	4.5	5	5	2.5	4.5	40	6	7	3.5	6.0	28	3	0	1.5	3.0			
18	151	3	4	9.0	14.0	112	5	7	6.0	120	71	4	10	4.0	7.0	60	5	4	2.0	4.0	49	4	12	3.5	6.0	5.3	4	7	2.5	5.0	44	5	9	3.5	5.5	28	3	2	1.5	3.0			
19	149	3	9	8.0	13.0	114	5	6	6.5	10.5	75	3	9	4.0	7.0	64	5	5	3.0	7.0	52	5	6	3.0	5.0	5.5	9	3	4.0	7.0	44	8	6	3.0	5.0	28	3	0	1.5	2.5			
20	150	2	6	9.0	8.5	117	7	4	6.0	11.0	85	11	12	6.0	11.0	76	4	6	4.0	7.5	58	8	6	3.5	6.0	5.9	3	3	3.0	5.0	44	11	7	3.0	4.5	28	6	1	1.0	3.0			
21	150	3	5	11.0	17.0	122	6	6	7.5	12.5	92	7	13	6.0	11.0	80	4	5	5.0	9.5	60			3.0	7.0	5.9	7	5	3.0	5.0	44	5	7	3.0	4.5	28	3	2	1.5	4.0			
22	150	4	5	9.5	15.0	124	6	7	8.5	13.5	93	9	13	7.0	13.0	81	4	9	7.0	12.5	60	7	6	5.0	7.0	6.1	2	8	2.0	6.0	42	9	7	3.0	5.0	29	4	3	1.5	2.5			
23	148	5	10	9.0	14.0	122	8	7	8.0	13.0	93	11	12	7.5	12.5	82	6	8	7.0	13.5	61	8	6	3.0	8.0	6.3	4	9	3.0	7.0	46	4	7	4.0	6.0	28	6	1	3.0	4.5			

Fom = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = 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

USNSA-WE-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 67.5-82.5 W Month February 19 63

Hour (EST)	Frequency (Mc)																															
	.013				.051				.160				.495				2.5				5				10				20			
	F _{am} ⁺	D _f	V _{dm} ⁺	L _{dm} ⁺	F _{am} ⁺	D _f	V _{dm} ⁺	L _{dm} ⁺	F _{am} ⁺	D _f	V _{dm} ⁺	L _{dm} ⁺	F _{am} ⁺	D _f	V _{dm} ⁺	L _{dm} ⁺	F _{am} ⁺	D _f	V _{dm} ⁺	L _{dm} ⁺	F _{am} ⁺	D _f	V _{dm} ⁺	L _{dm} ⁺	F _{am} ⁺	D _f	V _{dm} ⁺	L _{dm} ⁺				
00	148				122		11.0 170	91		9.0 155	70			48				51				38				28						
01	148				124		12.5 180	92		8.5 145	70			54												28						
02	148				122		12.0 175	92		7.5 135	70			48		4.5 75		49				38				28						
03	150		7.0 14.0		118		9.5 150	87			62			2.0 45				55				40				28						
04																																
05	148				120			85			66			42				41				40				28						
06	148				118			91			64			36				35				40				28						
07	150				118			89			64			30				35				34				28						
08	148				122			83			58			30				29				32				26						
09	144				118			81			56			28				29				34				28						
10	136				116			75			60			28				29				30				28						
11	146				118			75			58			30				29								28						
12	150				120			75			60							39				32				28						
13	150		8.5 13.0		120		8.0 14.0	73			64			2.0 4.0	43			36				30				28						
14	151				122		8.5 14.5	78			70			3.0 5.5	40			35				33				32						
15	150				120		8.0 14.0	75			65			2.0 3.0	41			35				33				30						
16	148				110			63			54			2.0 4.0	30			25				14				28						
17	148				106		7.5 12.0	67			62			2.0 4.0	30			25								32						
18	146		7.5 12.0		110			71			62				42			41				40				28						
19	146		8.0 12.0		112		7.0 11.0	85			62			2.0 4.0	48			47				40				24						
20	148				120		8.5 14.0	87			66			48				47				34				28						
21	148				122		9.0 14.5	91			72			4.5 8.0	50			55				40				28						
22	148				120		8.5 14.0	85			74			5.5 9.0	50			51								28						
23	148		7.5 13.0		120			85			68				48			51								28						

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

D_f = ratio of upper decile to median in db

V_{dm} = 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

USCIBAL-REC-19

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin

Lat. 50-60 S Long. 52.5-67.5 W Month February 19 63

Hour (LST)	Frequency (Mc)																																									
	.013				.051				.160				.495				2.5				5				10				20													
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}						
00	151		2.0	11.0	129				105		10.0	15.0	85				62				46					31																
01	151		7.5	14.0	129				102		9.5	17.0	84			7.0	13.0	61			46					30																
02	149				128				103				85				60				43					30																
03	147				127				101		10.0	19.5	83			9.0	16.0	56			43					29																
04	149				124				94				66				59				49					31																
05	149				119				79				63				53				44					31																
06	147				112				71				59			1.5	3.0	32			39					31																
07	147		9.5	16.5	107				75				60				31				36					31																
08	146				107				75				63				26				34					32																
09	147		10.5	17.0	109				78		10.5	15.0	64			2.0	3.5	40			35					35																
10	146				108				71				65			2.5	4.5	28			34					33																
11	147		9.0	13.5	110				89				65			2.5	5.0	39			32					30																
12	152				116				81				64				26				34					34																
13	152				122				87		10.0	16.0	62			2.5	4.5	56			34					32																
14	156		9.5	14.5	126				91				64			1.5	4.0	56			32					32																
15	156		8.5	13.0	128				95		8.5	13.5	64			3.0	5.0	54			34					32																
16	155		7.0	11.0	126				95		7.5	13.0	68			2.0	4.0	43			44					34																
17	158		7.5	11.5	128				95		5.0	9.5	69				60				45					38																
18	152		8.5	12.5	124				91				68			2.5	4.5	47			45					35																
19	153		8.0	12.0	124				90				75			2.0	3.5	56			48					35																
20	153		9.0	15.0	124				105				77			5.5	10.0	64			48					31																
21	153		9.5	15.0	129				105				86			6.5	12.0	67			44					31																
22	153		10.0	15.0	132				104		8.0	12.5	85			8.0	10.5	66			48					35																
23	150		8.0	12.0	130				104		7.5	13.0	84			7.0	11.0	64			49					34																

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

D_g = ratio of upper decile to median in db

D_g = 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

USCIB-REC-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 50-60 S Long. 37.5-52.5 W Month February 1963

Frequency (Mc)

Hour (LT)	.013				.051				.160				.495				2.5				5				10				20			
	F _{am} ⁺	D _u ⁺	D _g ⁺	V _{dm} ⁺	F _{am} ⁺	D _u ⁺	D _g ⁺	V _{dm} ⁺	F _{am} ⁺	D _u ⁺	D _g ⁺	V _{dm} ⁺	F _{am} ⁺	D _u ⁺	D _g ⁺	V _{dm} ⁺	F _{am} ⁺	D _u ⁺	D _g ⁺	V _{dm} ⁺	F _{am} ⁺	D _u ⁺	D _g ⁺	V _{dm} ⁺	F _{am} ⁺	D _u ⁺	D _g ⁺	V _{dm} ⁺	F _{am} ⁺	D _u ⁺	D _g ⁺	V _{dm} ⁺
00	150		11.0	12.0	130			8.0	14.5	86			8.0	14.0	61		4.0	6.0	61		3.5	6.0	46			3.5	6.5	30			3.0	4.5
01	150		12.5	19.5	130			6.0	11.0	86			6.0	10.5	62		4.0	6.0	61		3.0	6.0	48			2.5	4.5	30			2.0	3.0
02	150		11.5	18.5	130			9.0	17.0	86			7.0	14.5	64		4.0	6.5	65		3.0	5.5	46			3.5	6.0	30			3.0	4.0
03	150				130			7.0	14.0	86			5.5	11.5	62		4.5	7.5	65		2.5	5.0	46			3.5	6.0	30			2.0	3.0
04	150		12.0	18.5	128			8.0	15.0	78			5.5	15.0	62		5.0	8.0	63		4.5	7.5	46			4.5	7.0	30			2.0	3.5
05	150				122					76					56		5.5	8.5	61		4.5	8.0	50			8.0	9.5	34			4.0	3.0
06	150		11.5	18.0	118					72			2.5	4.5	48		9.0	10.5	51		5.0	8.5	46			7.5	13.0	31			1.0	2.0
07	148		22.0	19.0	116					64			2.0	4.5	36		6.0	8.5	43		5.0	8.0	40			3.5	6.5	30			2.0	3.0
08	148		11.0	17.0	115			6.0	9.5	65			2.0	3.5	32		2.5	4.5	36		5.5	8.0	36			4.0	6.0	30			1.5	3.0
09	148		11.0	18.0	115			7.5	12.0	66			1.0	2.5	28		4.0	5.5	35		7.5	10.5	34			2.0	5.0	30			2.0	3.0
10	150		10.0	16.0	114					66					26				35		5.5	8.0	33			2.0	3.5	30			3.0	4.0
11	148				110			7.0	10.0	66			2.0	3.5	26		3.0	5.0	35		5.0	7.5	34			3.0	5.0	30			2.0	3.0
12	150		10.5	17.5	118			4.0	9.5	64			3.0	7.0	30		3.5	6.0	35		4.0	6.5	34			3.0	5.5	30			2.0	3.5
13	146		10.5	16.0	120			6.5	10.0	63					42		4.0	6.0	38		5.0	8.0	33			3.5	5.0	30			2.5	4.0
14	148				121			6.5	10.5	66					42		3.5	5.5	39		5.5	7.5	34			2.5	4.5	30			2.0	2.5
15	152		9.5	15.0	120			7.5	12.5	72			3.0	5.0	42		3.0	5.0	37		4.5	7.0	38			7.0	4.5	30			2.0	3.0
16	150				120			5.5	8.5	63			3.0	6.5	46		4.0	7.0	38		5.0	7.0	38			3.0	5.0	30			2.0	3.5
17	152		7.5	12.0	118			6.5	11.0	75			2.0	4.0	42		3.0	6.0	39		2.5	5.0	41			3.0	5.5	31			2.0	3.0
18	152		7.0	12.0	118			7.0	11.5	74			1.5	3.5	42		3.0	5.0	51		2.5	4.5	44			3.0	5.0	28			2.0	3.0
19	150		8.5	13.5	120			7.5	11.5	78					49		3.0	5.5	57		2.5	5.0	46			3.0	5.0	30			2.0	3.0
20	149		8.0	13.5	122			5.5	10.0	78			3.5	7.0	59		3.0	5.0	62		2.5	4.5	48			3.0	5.0	28			2.0	3.5
21	152				129			6.0	11.0	82			4.0	7.5	64		3.5	6.0	65		4.5	8.0	48			3.0	6.0	30			3.0	5.5
22	154				130			7.0	12.0	86			4.5	8.5	62		3.0	5.0	63		3.5	6.0	46			3.5	5.0	30			3.0	4.0
23	154		11.0	17.5	130			8.0	14.0	86					62		4.0	7.5	64		3.0	5.5	46			4.0	5.5	30			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_g = ratio of median to lower decile in db

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

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

USNS EITANIN

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden

Lat. 59.5N Long. 17.3E

Month December 1962

Hour (LST)	Frequency (Mc)																																																											
	.013						.051						.160						.495						2.5						5						10						20																	
	Fam			D _g			Vdm			Ldm			Fam			D _g			Vdm			Ldm			Fam			D _g			Vdm			Ldm			Fam			D _g			Vdm			Ldm			Fam			D _g			Vdm			Ldm		
	Fam	D _g	Ldm	Fam	D _g	Ldm	Fam	D _g	Ldm	Fam	D _g	Ldm	Fam	D _g	Ldm	Fam	D _g	Ldm	Fam	D _g	Ldm	Fam	D _g	Ldm	Fam	D _g	Ldm	Fam	D _g	Ldm	Fam	D _g	Ldm	Fam	D _g	Ldm	Fam	D _g	Ldm	Fam	D _g	Ldm	Fam	D _g	Ldm															
00	152	4	2	10.0	16.0	117	5	4	9.5	73	11	7	2.5	4.5	53	12	4	3.0	6.0	149	5	4	5.0	8.5	32	4	4	2.0	4.0	19	0	4	1.0	3.0																										
01	152	4	4	10.5	17.0	117	6	3	9.0	11.5	73	17	8	3.0	4.5	55	24	6	4.0	7.5	49	6	4	5.5	9.0	32	4	4	1.5	4.0	19	1	4	1.5	3.0																									
02	152	3	2	12.0	19.0	117	7	2	9.0	15.0	99	4	8	5.5	9.5	73	12	8	2.0	4.5	53	16	5	5.5	8.0	49	6	2	5.0	9.0	30	7	2	1.0	3.0																									
03	152	4	2	12.5	19.5	117	6	4	10.5	16.5	95	8	4	3.0	7.0	71	14	9	2.0	3.0	51	6	4	6.0	11.0	49	4	4	4.5	8.5	30	4	2	1.0	3.0																									
04	152	4	4	12.5	20.0	115	8	2	10.0	16.5	95	9	4	4.5	8.5	70	15	8	2.5	4.0	7.5	47	5	4	6.5	10.5	30	3	2	1.0	3.0	17	4	2	1.5	3.0																								
05	152	3	2	13.5	21.0	117	5	5	10.0	16.0	99	6	4	3.5	7.0	67	18	10	1.5	3.0	51	3	6	2.0	5.0	47	4	4	4.5	8.0	30	2	0	1.0	2.5																									
06	152	3	4	12.0	19.5	113	6	2	11.0	18.0	101	6	7	5.5	9.0	65	10	12	1.0	3.5	49	9	4	4.5	8.5	47	6	4	3.0	6.5	32	2	2	0.5	2.0	2.5																								
07	152	3	3	12.0	19.5	113	6	6	11.5	17.5	93	8	8	3.5	7.0	64	11	7	2.0	3.0	49	6	6	4.5	9.0	47	4	4	6.0	10.0	19	2	4	1.0	2.5																									
08	150	3	2	12.5	19.5	107	6	6	11.0	17.0	85	6	4	4.0	7.0	65	7	8	2.0	5.0	47	13	8			45	6	2	5.0	8.0	38	6	5	4.0	6.5	19	2	4	1.0	3.5																				
09	148	3	3	13.0	20.0	103	8	4	13.0	17.0	86	8	5	2.0	4.0	62	10	8	2.0	1.0	34	18	3	3.0	6.0	35	9	6	2.5	5.5	36	9	3	6.0	7.5	19	3	4	1.5	4.0																				
10	147	3	6	14.0	21.0	102	9	7	13.5	18.0	93	5	9	3.5	7.0	62	9	9	1.0	3.5	33	10	4	3.5	6.5	27	9	4	2.5	5.0	34	14	4	7.0	11.5	19	4	4	2.0	4.5																				
11	146	2	2	13.5	20.0	103	10	10	15.0	18.0	90	5	6	4.5	9.0	61	11	10	0.5	1.5	31	10	2	2.5	5.5	25	10	5			40	10	8			19	2	4	1.0	3.5																				
12	146	4	4	12.0	18.0	100	12	7	15.0	19.0	93	5	6	5.0	10.0	61	12	10	2.0	3.0	33	4	4	3.0	5.0	25	15	5	3.5	5.0	44	10	10	9.0	16.0	19	2	2	2.0	3.5																				
13	147	3	3	10.5	17.0	99	12	8	15.5	21.5	91	8	6	5.0	9.5	63	10	6	1.5	3.5	31	10	4	1.5	3.0	29	27	4	2.5	5.0	52					19	2	4	1.5	3.5																				
14	147	3	3	10.0	15.5	103	12	12	14.0	20.5	89	6	6	4.5	7.5	67	12	8	3.0	5.0	35	23	7	2.0	6.0	37	8	4	2.0	4.5	50	12	9	5.0	10.0	21	1	4	1.5	3.0																				
15	146	5	2	10.0	16.0	107	6	10	15.5	23.0	87	8	6	3.0	5.0	71	10	11	1.5	2.5	49					43	14	4	2.5	5.0	42	12	6	5.0	8.5	19	2	4	1.0	3.0																				
16	148	4	4	10.5	16.0	109	6	10	14.5	20.5	90	7	7	1.5	2.5	70	17	7	1.5	3.0	51	12	12			45	8	2	4.0	7.0	40	18	8	5.0	12.0	17	3	2	1.0	3.0																				
17	149	3	4	10.0	15.0	113	6	8	11.5	17.0	93	6	4	2.5	4.0	75	14	8	2.0	2.0	53	10	6	4.0	7.0	40	18	8	5.5	12.0	17	3	2	1.0	3.0																									
18	150	4	4	9.5	14.0	115	4	6	9.0	15.0	95	8	4	4.0	8.0	75	9	13	2.0	2.5	51	10	4	5.5	10.0	49	4	6	4.0	7.0	36	14	6	2.5	5.0	17	2	2	0.5	2.5																				
19	152	2	4	10.0	15.0	115	4	6	10.0	15.0	95	6	4	3.0	6.5	73	6	6	2.0	5.0	51	4	6	4.5	8.0	47	4	4	4.0	6.0	30	8	1	1.5	3.5	17	2	2	1.0	3.0																				
20	150	5	2	11.0	17.0	115	7	4	9.5	15.5	97	5	7	5.0	9.5	73	14	10	3.0	5.0	53	8	6	4.0	8.0	49	6	6	3.5	6.5	30	3	2	1.0	3.0	17	2	2	1.5	3.0																				
21	152	4	4	9.5	15.5	117	6	6	11.0	17.5	99	4	6	3.5	8.0	77	16	12	2.5	4.0	55	6	6	3.0	6.0	49	5	4	3.5	7.0	30	7	0	1.0	3.0	17	2	2	1.5	3.0																				
22	152	4	2	10.0	16.0	117	5	4	10.5	16.5	97	6	4	4.0	8.0	73	16	8	3.5	5.0	52	4	5	5.5	10.0	51	4	6	3.0	6.5	30	7	2	1.0	3.0	17	2	2	2.0	3.0																				
23	152	4	2	10.0	15.5	117	6	5	11.0	16.5	95	8	4	3.5	7.0	75	15	10	2.0	4.0	53	8	4	4.0	7.5	51	5	6	4.0	8.0	30	6	2	1.0	3.0	17	2	2	1.0	3.0																				

F_{am} = median value of effective antenna noise in db above k1b

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

U.S. GOVERNMENT PRINTING OFFICE

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden Lat. 59.5N Long. 17.3E Month January 1963

Hour (LST)	Frequency (Mc)																																								
	.013					.051					.160					.495					2.5					5					10					20					
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}					
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}					
00	152	3	1	9.0	150	117	5	4	8.5	150	99	6	8	5.0	80	76	14	6	2.0	4.0	55	9	8	3.0	6.0	51	4	4	3.0	6.0	34	4	4	2.0	4.0	20	2	4	1.0	2.5	
01	152	2	2	9.5	155	117	4	4	6.0	105	101	6	4	4.5	7.5	76	10	6	2.5	5.0	55	6	6	3.0	6.0	51	4	4	3.5	6.5	34	4	4	2.0	4.5	20	2	4	1.0	2.5	
02	152	2	2	10.0	16.0	115	6	2	8.0	135	100	6	7	4.0	8.5	76	16	8	4.5	8.0	55	6	4	3.0	6.0	49	4	4	3.0	6.0	32	6	2	2.0	4.5	20	2	4	1.0	2.5	
03	152	2	2	10.0	17.0	117	4	6	8.5	135	97	10	2	4.0	8.5	72	18	4	3.0	6.5	55	4	7	4.0	8.0	49	4	4	3.5	8.0	32	4	2	2.5	4.0	20	2	4	1.0	3.0	
04	151	2	1	9.5	16.0	115	5	5	4	11.0	175	100	5	6	3.0	6.0	70	20	4	2.0	4.0	53	6	4	3.0	6.5	49	2	4	3.5	7.0	32	2	2	1.5	3.5	20	2	4	1.5	3.0
05	152	2	2	10.0	16.5	116	5	5	11.5	170	103	2	6	4.5	8.5	67	11	5	4.0	7.0	53	4	4	3.0	6.0	51	9	8	7.0	11.0	30	4	0	1.5	2.5	20	2	2	1.0	3.0	
06	152	2	2	10.0	16.5	115	4	4	8.0	130	105	4	6	3.0	7.0	62	20	4	3.5	6.0	53	8	4	4.0	7.0	47	6	4	5.5	9.0	32	8	2	1.0	3.0	20	2	4	1.0	3.0	
07	150	4	0	10.0	16.5	113	4	6	10.0	150	94	12	9	4.5	9.0	61	11	5	3.5	6.5	52	5	7	2.5	8.0	49	6	4	3.5	6.0	38	4	4	2.5	4.5	20	2	4	1.0	2.5	
08	150	4	4	11.5	18.0	105	8	2	12.0	170	87	5	6	2.0	5.0	66	8	8	7.0	3.0	47	8	6	2.5	5.5	47	4	4	4.0	6.0	42	6	8			22	2	4	1.0	3.0	
09	146	6	4	12.0	18.0	103	4	4	13.5	185	91	6	10	5.0	9.0	66	5	7	4.0	5.5	39	11	4	4.0	9.5	39	8	6	6.5	9.0	44	8	7	0.5	3.5	20	2	2	7.5	3.0	
10	144	4	4	13.0	20.0	97	5	6	11.0	14.5	89	6	6	7.0	11.0	62	8	5	2.0	3.0	37	14	4	3.0	5.0	36	21	6	4.5	7.0	46	13	9	2.0	4.5	22	3	3	7.5	3.0	
11	144	2	3	13.0	20.0	95	11	4	12.5	17.0	87	7	6	3.0	6.5	62	6	7	2.0	4.0	35	8	6	2.5	6.0	33	21	8	5.0	7.0	52	8	15			22	13	2	2.5	4.5	
12	144	4	2	10.0	16.5	97	12	8	13.5	17.5	91	6	10	4.0	8.0	62	10	8	2.0	3.0	33	4	6	5.0	8.0	32	7	7	2.5	3.5	49	11	8			22	2	4	2.0	3.5	
13	146	4	4	11.0	17.5	96	12	7	14.5	18.0	91	3	8	5.0	9.0	68	7	11	1.5	2.5	33	6	6	5.5	8.5	34	8	8	2.5	5.0	51	5	9			29	3	3	1.0	3.0	
14	146	4	4	10.0	16.0	97	10	6	9.0	12.0	90	5	5	5.0	7.0	70	12	12	3.0	4.5	35	4	6	2.5	5.0	39	4	13	4.0	7.0	49	13	11			20	5	5	1.0	3.0	
15	146	4	3	9.5	15.0	103	6	12	10.0	13.0	91	3	10	3.5	8.0	81	6	25	7.5	2.5	41	6	8	1.0	4.0	41	7	3	3.5	6.5	40	23	6	3.5	5.5	20	2	2	1.0	3.0	
16	146	4	2	9.5	15.0	103	9	8	10.0	14.0	92	7	5	5.0	9.0	83	9	25	2.0	4.0	43	13	4	3.0	5.0	45	12	2	2.5	5.5	51	19	13	4.5	6.0	20	3	3	1.0	2.5	
17	148	3	4	8.5	13.0	107	8	6	9.0	14.0	96	3	5	3.5	5.5	80	14	14	3.0	5.0	47	15	2	5.5	9.0	47	4	6	3.5	6.5	51			9.0	7.5	20	2	2	1.0	2.5	
18	150	2	4	7.5	13.0	112	9	5	9.5	15.0	97	6	4	3.5	7.0	84	10	16	4.0	7.0	53	8	8	4.5	8.0	47	6	4	3.0	6.5	34	18	4	2.0	4.0	18	4	4	1.0	3.0	
19	150	2	3	6.5	11.5	113	8	3	9.5	14.5	99	6	8	3.5	7.5	74	16	8	2.0	3.5	53	4	8	5.0	8.5	47	6	4	2.0	5.0	32	2	2	1.0	2.5	19	3	3	0.5	2.5	
20	151	3	1	7.0	12.0	115	4	6	8.0	14.5	101	6	2	5.0	9.0	72	24	6	2.0	4.0	55	6	5	4.5	9.0	49	6	6	3.0	6.0	32	2	2	1.5	3.0	20	2	2	0.5	2.5	
21	152	2	2	7.0	12.0	117	6	6	9.0	14.0	103	2	4	3.0	7.0	74	19	6	3.0	5.0	55	14	4	3.0	7.0	51	3	4	4.5	8.0	32	7	2	2.0	4.5	20	2	2	0.5	2.5	
22	152	2	2	7.0	12.0	116	5	5	7.0	15.0	103	4	8	5.0	10.0	75	17	5	3.5	5.5	53	8	6	3.5	6.5	51	4	4	3.0	6.5	34	5	4	2.0	4.0	20	2	2	0.5	2.5	
23	152	4	2	7.5	13.0	115	10	2	8.5	14.0	101	6	7	6.0	11.0	74	18	6	4.0	6.0	57	8	8	4.0	9.0	51	4	4	3.5	6.5	34	4	4	3.0	5.5	20	2	2	0.5	2.5	

F_{am} = median value of effective antenna noise in db above k1b

D_g = ratio of upper decile to median in db

D_g = 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

CGO:W-451-R

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden Lat. 59.5N Long. 17.3E Month February 1963

Frequency (Mc)

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	.013						.051						.160						.495						2.5						5						10						20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	Fam		Du	Df	Vdm	Ldm	Fam		Du	Df	Vdm	Ldm	Fam		Du	Df	Vdm	Ldm	Fam		Du	Df	Vdm	Ldm	Fam		Du	Df	Vdm	Ldm	Fam		Du	Df	Vdm	Ldm	Fam		Du	Df	Vdm	Ldm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
00	152	2	2	90	145	117	4	3	85	130	95	10	4	55	90	74	18	6	40	70	58	6	6	45	70	34	8	4	30	60	19	1	2	05	20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
01	152	2	3	105	160	117	4	5	75	120	101	6	6	35	90	74	16	4	35	65	54	8	6	30	60	32	10	2	30	55	19	2	2	05	20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
02	152	2	2	105	160	117	4	4	95	155	99	8	8	45	90	74	11	8	40	75	58	2	6	35	70	32	10	2	30	60	19	2	0	10	25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
03	152	2	3	100	160	117	4	6	100	155	97	11	4	85	130	72	16	8	40	75	54	7	4	40	70	32	10	2	20	40	19	2	1	10	25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
04	152	2	3	105	170	117	4	6	105	160	99	8	6	45	95	68	19	6	40	65	54	8	2	30	70	32	4	2	20	35	19	2	0	10	25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
05	152	2	2	110	180	115	5	4	115	170	101	4	4	30	70	65	15	5	35	55	56	4	6	30	65	32	6	2	10	30	19	2	1	05	25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
06	152	2	3	115	180	111	6	4	105	175	101	6	12	40	90	60	7	4	25	40	52	4	3	40	75	51	5	5	25	50	34	15	2	1	10	30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
07	150	2	3	125	180	111	4	9	130	185	87	6	2	35	70	60	12	4	20	40	52	15	5	50	70	50	4	4	20	45	40	7	4	40	65	19	3	3	10	25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
08	146	4	4	115	175	103	8	6	125	170	89	8	4	50	90	60	6	4	20	35	41	5	7	45	70	48	4	6	50	80	40	9	4	30	50	21	2	2	15	30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
09	144	4	2	115	180	98	11	5	105	145	89	7	4			58	10	1	20	40	36	2	6	40	60	40	4	7	10	35	42	10	8			21	2	3	20	40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
10	144	3	3	115	190	95	11	5	135	160	91	6	4	50	90	57	9	3	10	30	34	4	4	30	50	34	10	4	20	40	43	20	7			21	2	4	20	40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
11	146	2	4	120	190	97	8	6	100	140	88	11	3	20	60	54	16	2	25	45	34	4	5	45	70	32	7	7	45	85	48	9	14			21	2	2	20	40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
12	146	0	4	105	155	97	5	7	65	110	93	5	5	70	120	56	19	4	10	30	34	2	6	20	40	30	6	4	20	40	46						21	2	3	10	30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

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

NOAA-NET-18

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Month December 19 62

Frequency (Mc)																																			
.135						.500						2.5						5						10						20					
F _{am}	D _z	V _{dm}	L _{dm}	F _{am}	D _z	V _{dm}	L _{dm}	F _{am}	D _z	V _{dm}	L _{dm}	F _{am}	D _z	V _{dm}	L _{dm}	F _{am}	D _z	V _{dm}	L _{dm}	F _{am}	D _z	V _{dm}	L _{dm}	F _{am}	D _z	V _{dm}	L _{dm}								
00	103	5	5		83	9	6		57	7	4		52	6	5		32	3	1		22	1	1												
01	104	7	6		83	9	7		58	8	5		53	6	6		32	2	1		22	1	1												
02	103	9	5		81	12	5		59	7	5		52	7	4		32	2	2		22	1	1												
03	101	8	5		78	14	2		58	9	4		53	8	5		32	3	1		22	1	1												
04	98	9	5		75	13	5		54	10	4		52	8	5		32	3	1		23	1	1												
05	97	9	5		71	15	5		54	10	6		51	9	5		32	3	2		24	0	1												
06	94	7	4		67	7	5		51	7	3		51	6	4		32	3	1		24	0	1												
07	90	5	3		60	7	3		47	3	3		50	3	3		33	5	1		24	1	1												
08	86	7	4		56	5	3		37	5	3		41	3	4		36	4	2		27	2	1												
09	85	9	3		55	5	3		35	4	5		36	5	2		35	4	2		27	2	0												
10	86	8	4		56	5	4		34	5	4		35	3	4		34	4	1		27	2	0												
11	86	6	4		56	6	4		33	4	3		33	4	3		34	4	1		27	2	1												
12	85	6	3		56	6	3		33	3	4		32	4	3		37	2	3		26	2	0												
13	85	8	3		56	6	4		33	3	5		31	6	3		37	3	3		26	2	0												
14	85	8	3		56	7	3		33	4	4		33	5	4		38	3	3		26	3	0												
15	85	9	3		57	6	5		34	7	3		37	4	4		41	3	5		27	1	1												
16	90	8	3		62	6	7		39	7	6		46	4	6		41	3	5		25	2	1												
17	93	11	5		65	11	8		48	5	6		50	5	5		40	5	4		24	2	0												
18	94	11	5		72	10	7		52	6	5		50	7	4		39	5	5		24	1	1												
19	95	9	4		75	10	5		54	8	6		50	8	4		37	6	3		24	0	1												
20	101	7	6		78	10	7		56	9	4		52	7	4		33	4	1		22	1	0												
21	101	7	6		79	10	5		57	6	4		52	7	4		33	2	2		22	1	1												
22	102	7	6		79	11	3		56	8	2		51	8	4		32	2	1		22	0	1												
23	102	5	6		80	10	4		57	8	5		52	7	5		32	4	1		22	0	1												

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

D_z = ratio of upper decile to median in db

D_z = 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

0000000000

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Month January 19 63

Frequency (Mc)																																			
.135						.500						2.5						5						10						20					
Hour (LST)	Fom	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm
00	106	12	8			82	10	8			60	5	5			54	4	4			33	2	0			23	1	0							
01	106	7	8			82	8	9			61	5	6			53	6	3			33	3	1			23	1	0							
02	103	10	8			86	11	8			60	6	4			53	7	4			33	1	1			24	0	1							
03	100	11	6			79	10	9			59	7	4			53	8	5			33	1	1			24	0	1							
04	98	11	7			76	10	9			57	11	3			53	8	6			35	2	1			23	0	1							
05	96	13	6			71	13	6			58	11	6			52	8	5			36	1	2			23	1	1							
06	94	11	6			68	10	9			57	7	7			52	6	3			36	1	1			23	1	0							
07	92	7	6			62	5	8			51	7	3			52	4	4			37	3	2			23	1	0							
08	86	12	4			59	5	7			36	7	5			40	8	3			33	4	2			24	1	0							
09	86	10	4			59	5	6			34	5	5			36	7	5			32	2	1			24	1	1							
10	86	11	4			57	7	4			32	4	3			32	7	5			31	3	1			24	1	1							
11	87	10	4			57	6	5			31	5	2			32	4	5			31	2	2			24	0	1							
12	86	7	3			57	6	4			32	3	4			31	4	5			31	3	2			26	1	1							
13	87	5	4			57	5	4			32	4	4			32	3	5			31	4	2			26	1	1							
14	88	8	5			56	7	3			32	6	4			33	4	5			32	3	2			26	1	0							
15	88	3	4			58	5	4			34	4	5			36	4	4			34	4	2			26	1	0							
16	91	4	5			59	7	3			38	5	6			44	5	7			36	3	3			24	1	1							
17	95	7	6			63	9	6			49	5	6			50	4	7			36	4	2			24	1	1							
18	93	10	5			71	9	7			55	5	5			50	5	4			34	5	2			24	1	1							
19	95	10	6			74	9	9			56	7	4			50	5	4			33	3	2			23	1	0							
20	102	8	6			78	10	7			60	5	5			53	5	2			34	2	1			23	1	1							
21	104	6	8			82	6	9			60	6	4			54	4	4			33	1	1			23	1	1							
22	106	8	9			81	10	7			60	6	4			54	5	3			33	1	1			23	1	1							
23	106	13	9			82	12	7			60	6	4			54	4	3			33	2	1			23	1	1							

F_{om} = median value of effective antenna noise in db above k1b
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. 38.8N Long. 78.2W Month February 19 63

Hour (ST)	Frequency (Mc)																							
	.135				.500				2.5				5				10				20			
	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}
00	105	11 8			83	13 6			63	11 6			46	8 5			30	2 1			23	1 1		
01	102	13 5			82	15 6			62	11 5			46	9 6			30	2 1			24	0 1		
02	101	12 8			80	17 4			63	11 8			45	9 5			30	3 1			24	0 1		
03	99	15 8			80	17 5			61	15 6			43	12 3			30	2 1			24	0 1		
04	99	15 6			77	19 6			59	14 6			42	14 2			32	3 1			24	1 1		
05	97	17 6			73	20 7			59	14 8			43	13 5			32	3 1			24	1 1		
06	95	15 6			67	22 7			56	14 5			44	10 4			33	3 1			24	1 1		
07	91	11 5			58	10 4			47	10 3			42	10 4			35	6 2			24	1 1		
08	86	9 5			56	6 4			41	6 4			41	7 2			34	6 3			24	1 1		
09	88	7 7			56	4 5			38	3 4			38	6 2			33	3 3			24	1 1		
10	86	9 5			56	3 4			35	3 3			36	5 2			32	4 2			24	1 1		
11	85	11 3			56	2 4			34	1 4			33	5 4			31	4 2			24	1 1		
12	85	10 3			55	3 3			33	1 4			32	5 3			35	4 2			26	1 1		
13	85	10 3			55	3 3			33	3 2			33	5 4			35	4 2			24	1 1		
14	86	7 3			54	2 2			34	2 2			34	5 3			37	4 2			26	2 1		
15	85	10 2			55	3 3			37	1 5			37	5 3			39	7 2			24	0 1		
16	88	10 4			58	4 4			39	7 4			35	7 2			36	14 2			24	1 1		
17	92	7 6			60	8 6			49	5 5			44	4 3			37	17 3			23	2 1		
18	94	10 6			72	9 11			55	9 3			48	4 5			37	14 3			23	2 1		
19	97	13 7			68	10 10			60	8 4			48	5 5			35	10 3			23	1 1		
20	103	9 9			80	9 9			63	8 4			47	7 3			32	2 1			23	1 1		
21	105	5 6			79	13 6			63	9 5			47	7 4			31	2 1			23	0 1		
22	104	9 5			80	12 5			63	8 7			48	5 5			30	3 1			23	1 1		
23	106	8 7			80	14 4			62	11 5			47	7 4			30	2 1			23	1 1		

F_m = median value of effective antenna noise in db above ktb

D_f = ratio of upper decile to median in db

V_{dm} = ratio of median to lower decile in db

L_{dm} = median deviation of overage voltage in db below mean power

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

USDA-NW-10

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria

Lat. 7.4N Long. 3.9E

Month November 19 59

Hour (EST)	Frequency (Mc)																																															
	.051						.113						.246						.545						2.5						5						10						20					
	Fom		Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm							
	Du	Fdm				Du	Fdm				Du	Fdm				Du	Fdm				Du	Fdm				Du	Fdm				Du	Fdm				Du	Fdm				Du	Fdm						
00	135	3	16	85	16.0	120	7	17	80	145	105	7	13	85	16.5	86	8	6.5	150	558	8	16	65	120	56	4	11	50	100	41	4	9	45	85	28	4	2	25	50									
01	133	6	4	90	16.5	122	7	10	85	155	105	5	12	80	17.0	86	7	10	70	160	558	8	6	60	105	54	4	15	35	80	41	4	8	40	80	29	1	5	30	55								
02	133	6	18	90	16.5	118	8	12	90	150	101	8	6	90	17.5	84	9	8	80	165	558	7	15	55	145	52	6	4	60	105	41	4	8	45	90	26	4	6	25	55								
03	133	6	18	100	18.5	116	8	4	95	155	99	8	8	95	190	82	11	6	90	180	558	8	17	45	105	56	4	12	55	100	41	4	13	40	80	26	2	6	20	40								
04	133	3	15	100	18.0	118	6	8	100	160	101	7	14	100	200	82	12	10	100	210	558	8	17	55	135	56	4	14	60	105	38	7	9	30	70	24	2	2	15	30								
05	129	8	16	115	200	114	6	7	120	190	90	7	7	130	230	72	14	13	110	210	52	10	8	95	160	54	6	10	60	110	37	5	9	35	70	26	4	2	20	45								
06	121	14	8	125	210	111	11	12	110	160	87	23	14	130	215	68	26	10				42	14	10	90	160	50	4	10	65	110	39	4	14	60	110	28	2	4	30	70							
07	119	18	10	130	220	106	17	6	50	70	81	31	8	140	220	66	23	10	65	95	36	18	8	90	150	44	4	12			35	6	10	65	105	28	8	4	40	75								
08	116	21	9	135	220	108	16	12	120	155	84	21	14	95	165	65	15	11			34	17	2	50	65	36	8	9	55	145	33	6	12	100	165	26	4	4	40	70								
09	117	20	11	140	240	105	19	7	100	170	83	18	15	130	170	63	15	9	125	195	37	9	6	110	135	32	10	5			31	7	12			24	6	2	25	45								
10	117	19	9	130	220	105	17	9	95	150	82	22	14	110	220	62	25	9	90	200	32	8	4			32	4	4			31	4	8			24	8	3	20	45								
11	123	15	18	125	215	107	17	15	120	215	87	22	14	110	190	76	20	20	100	220	43	23	13			34	18	6	75	150	37	5	10			28	8	4										
12	129	14	16	105	180	117	13	19	115	180	94	23	21	100	190	80	22	21	80	190	41	15	8	70	115	34	15	7	100	140	33	12	6			28	5	4	40	70								
13	137	9	26	110	160	120	14	18	100	160	105	15	24	105	200	92	10	33	105	200	47	15	11	80	135	38	13	8	100	150	35	8	8	25	35	30	4	2	35	55								
14	137	11	17	80	155	125	12	19	100	190	111	10	31	95	205	96	10	27	80	170	54	14	18	80	150	42	12	10	70	120	36	7	9	70	100	31	5	3	25	60								
15	142	8	11	90	160	128	10	18	100	180	113	14	19	100	180	98	12	24	95	185	54	16	22	85	150	48	6	12	65	130	41	2	14	50	90	33	5	5	30	55								
16	143	8	12	95	170	130	9	18	110	195	113	15	24	100	185	99	13	29	75	170	58	10	20	80	135	52	8	14	50	110	40	7	11	40	75	32	10	4	25	55								
17	141	13	11	100	180	128	15	14	90	175	113	17	16	110	190	94	23	16	55	110	58	17	16	85	140	56	12	12	35	60	46	9	15	40	75	30	17	6	60	110								
18	141	14	11	90	160	125	16	10	85	175	108	20	16	85	170	90	21	10	70	135	66	19	20	45	70	60	10	16	45	80	43	9	10	45	80	26	12	4	30	60								
19	129	9	9	95	155	128	8	12	80	145	109	11	15	70	145	93	10	8	70	125	66	7	12	40	75	58	6	6	35	70	41	8	8	40	85	30	2	6	30	65								
20	136	10	7	100	175	124	9	12	80	140	108	11	13	70	125	91	10	10	60	125	62	10	18	30	75	58	6	12	50	90	43	9	10	50	85	28	4	2	25	50								
21	135	6	5	80	150	122	7	9	70	135	107	7	13	65	130	89	7	15	65	130	60	8	12	35	80	54	8	10	40	85	43	10	16	50	90	28	4	4	30	55								
22	133	9	16	85	165	122	8	15	80	135	107	7	16	65	140	90	6	14	55	120	58	10	10	50	90	54	6	8	40	80	43	4	14	40	90	28	2	4	35	60								
23	135	4	20	80	150	120	8	6	85	160	105	7	15	75	160	89	7	13	70	150	58	7	12	50	95	54	6	6	50	90	41	4	15	40	90	28	4	2	30	60								

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

D_z = ratio of upper decile to median in db

V_{dm} = 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 December 19 59

Hour (LST)	Frequency (Mc)																																															
	.051						.113						.246						.545						2.5						5						10						20					
	F _m		D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m		D _g	V _{dm}	L _{dm}	F _m		D _g	V _{dm}	L _{dm}	F _m		D _g	V _{dm}	L _{dm}	F _m		D _g	V _{dm}	L _{dm}	F _m		D _g	V _{dm}	L _{dm}	F _m		D _g	V _{dm}	L _{dm}									
	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}								
00	120	13	6.0	16.0	108	9	8	11.5	17.0	94	10	10	9.0	13.5	80	8	6	9.0	16.0	52	6	24	6.0	10.0	49	4	18	4.0	8.0	37	6	2.0	4.0	7.5	26	4	2											
01	120	13	8	9.5	17.0	114	5	12	10.5	98	5	14	10.0	9.0	80	10	6	7.0	14.0	52	8	18	6.5	11.0	49	2	12	6.0	12.0	35	8	1.0	4.5	9.5	26	4	4	1.5	3.5									
02	122	11	10	10.0	17.0	110	8	14	10.0	94	9	10	10.0	18.0	78	12	9	9.0	16.0	52	8	18	5.0	9.0	47	4	18			35	6	1.0	5.0	9.5	26	6	4											
03	120	13	8	9.5	16.0	112	4	11	10.5	17.0	90	12	7	10.0	20.0	80	5	9	8.0	13.0	46	8	16	9.5	14.0	49	4	20			37	4	14	5.0	9.0	26	4	2	2.0	5.0								
04	120	10	8	11.5	18.5	108	8	8	11.5	16.5	90	11	5	11.5	18.5	76	8	12	10.0	19.5	50	8	15	8.0	13.5	49	2	20			35	6	1.0	5.0	9.5	24	4	4	1.0	3.5								
05	120	12	8	13.5	21.0	106	9	9	15.0	17.0	90	12	23	14.0	23.0	70	8	12	13.0	24.0	48	10	16	12.0	17.0	49	6	12	4.0	8.5	33	8	1.0	5.0	7.5	26	4	4	2.0	3.0								
06	116	12	6	12.0	20.0	102	7	18	14.0	18.5	83	10	16	13.0	22.0	62	17	10	12.0	21.5	40	12	18			45	10	15			33	8	1.1	5.5	10.0	26	6	4	2.0	3.5								
07	115	11	8	16.0	25.0	102	11	6	12.0	17.0	82	9	18	14.0	25.0	62	10	14	13.0	25.0	36	10	17			43	6	14	8.0	13.0	32	6	1.3	9.5	12.5	26	4	4	1.0	4.0								
08	116	15	12	17.0	26.0	100	16	7	12.5	16.0	81	9	15	12.5	25.5	62	12	10			30	12	8			31	8	10			29	7	1.1			26	7	4	5.0	5.5								
09	112	14	10	12.0	20.0	104	10	9	14.0	19.5	78	12	7	16.0	25.0	60	10	12	16.5	21.5	28	12	10			27	6	9			25	5	1.1			24	2	4	1.5	3.0								
10	114	8	4	17.0	26.0	102	10	9	8.5	9.5	76	11	13	15.0	25.0	59	13	11	15.0	23.0	30	9	10			29	6	11			27	6	1.2			24	6	3	2.0	5.0								
11	114	8	8	15.0	21.0	100	12	10	9.5	16.0	78	14	8	15.5	27.0	62	10	14	16.0	25.0	30	12	7			27	11	4			23	12	1.0	5.0	6.0	26	4	6	3.0	6.0								
12	118	8	10	11.0	20.0	100	10	19	11.5	18.0	82	8	10	12.0	20.0	62	14	8	14.0	24.0	32					26	13	9			25	17	9			26	2	6	3.0	6.0								
13	118	12	6	12.0	21.0	102	16	6	14.5	22.0	84	16	16	14.0	24.0	66	20	16	12.5	25.0	32	14	8	6.0	8.0	31	7	11			27	10	9			26	4	2										
14	120	15	10	11.5	18.0	108	16	11	12.0	21.5	84	21	20	13.0	23.0	68	18	20	13.0	22.0	30	14	6			29	14	9			32	3	1.1			28	7	2	3.5	6.0								
15	124	13	14	12.0	19.5	112	12	22	13.0	22.0	88	22	21	11.0	19.0	70	22	19	13.0	21.5	32	19	14	4.5	6.5	38	12	18			29	8	14			29	3	5	2.5	6.5								
16	120	16	12	9.5	17.0	111	15	26	10.5	19.0	91	19	30	12.5	23.0	62	30	18	12.5	23.0	42	10	23			43	10	19	4.5	7.0	34	10	1.5	3.0	5.0	29	8	1	2.0	5.0								
17	118	18	15	10.0	17.0	109	16	21	12.5	19.0	90	20	24	13.0	18.5	74	18	21	8.5	14.0	44	13	23			45	8	18			35	9	1.1	1.5	4.0	26	4	2	1.5	5.0								
18	120	13	8	10.0	18.0	108	19	10	7.5	12.5	89	20	12	11.0	18.0	77	11	13	5.5	10.5	46	15	10	4.5	9.0	45	8	23			35	8	1.3	5.5	6.5	26	10	4	2.0	4.0								
19	120	16	10	9.5	17.0	110	13	19	8.5	15.0	92	17	14	7.0	15.5	80	10	12	8.0	15.0	46	9	13	7.5	11.0	47	6	15			35	12	1.6	6.0	9.0	24	13	2	2.0	4.0								
20	120	15	10	8.0	15.0	110	10	20	10.0	16.0	94	10	13	8.5	16.0	78	11	13	6.5	11.5	51	13	21	7.0	12.0	51	8	20	5.0	10.0	35	7	1.8	5.0	8.0	26	14	4	2.0	5.0								
21	119	17	7	9.5	15.5	108	14	10	9.0	16.0	94	11	24	6.5	15.5	78	11	7	6.5	12.0	48	14	18	5.0	9.5	51	9	23	4.5	9.5	35	8	1.8	3.0	7.0	26	7	4	1.5	4.0								
22	119	15	7	9.0	16.0	111	10	16	8.5	15.5	92	11	11	8.0	13.5	80	9	7	6.5	12.0	48	12	12	6.0	11.0	49	6	12	5.0	9.0	35	6	8	4.0	7.5	26	6	4	3.0	6.0								
23	119	15	9	9.0	14.0	109	8	10	9.5	17.5	91	14	8	9.0	16.0	78	10	9	7.0	13.0	49	13	17	5.5	10.0	45	10	12	4.5	9.5	36	7	1.5	3.5	7.0	26	4	2										

F_m = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = 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

UCDRAL-REC-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria

Lat. 7.4 N Long. 3.9 E

Month February 19 60

Frequency (Mc)

Frequency (Mc)																														
						2.5					5					10					20									
F _{om}		D _u	D _f	V _{dm}	L _{dm}	F _{om}		D _u	D _f	V _{dm}	L _{dm}	F _{om}		D _u	D _f	V _{dm}	L _{dm}	F _{om}		D _u	D _f	V _{dm}	L _{dm}	F _{om}		D _u	D _f	V _{dm}	L _{dm}	
00						47	16	13				46	13	16					35	9	15				28	4	4			
01						51	14	8				49	12	7					37	9	8				28	4	4			
02						51	14	12				48	12	10					39	8	12				28	4	4			
03						47	19	12				44	16	10					35	12	8				28	2	4			
04						47	18	13				44	16	8					35	10	8				26	4	2			
05						45	13	12				48	8	12					34	11	11				26	6	2			
06						35	18	16				44	11	15					35	4	11				28	8	4			
07						33						38	8	11					33						30					
08						23						32							25						26					
09						33						30							23						26					
10						29						26							24						26					
11						25						24							23						23					
12						27						32							25						24					
13						36						32							31						28					
14						41						32							35						32					
15						43						36							35						30					
16						45						46							35						30					
17						60						50							41						30					
18						52	26	28				58							38						26					
19						51	12	21				50	8	9					33						26					
20						53	10	24				53							39	4	10				28	2	2			
21						47						54	8	11					40	5	13				26	6	2			
22						53	16	10				51	8	9					43	3	11				28	4	2			
23						51	13	8				52	8	8					41	6	12				28	4	4			

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

D_u = ratio of upper decile to median in db

D_f = 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

1000-10-10-10

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria

Lat. 7.4 N Long. 3.9 E

Month March

19 60

Hour (ST)	Frequency (Mc)																																								
	.051					.113					.246					.545					2.5					5					10					20					
	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	
00	*738					*726					110	6	10			*93						63	5	18			56	9	5			44	6	9			*29				
01	*736					*708										*96						62	11	13			58	7	9			44	5	13			29	3	2		
02	*738					*727					110	6	10			95	8	10				61	12	15			58	6	11			42	6	12			29				
03	*742					*724					106	8	10			97	4	16				68	6	15			62	4	13			42	4	7			27				
04	*735					*725					108					*96						64	8	14			57	9	7			40	6	9			27				
05	*737					*722					100					*77						60	11	14			55	4	15			40	4	15			27				
06	*729					*722					94					*79						52	9	12			52	6	10			42					33				
07	*733					*721					94					*73						42					40					44					31				
08	*734					*721					94					*73	12	12				36					40					38					28				
09	*733					*719					90					*73	10	10				38					44					39					27				
10	*734					122	6	24			102					*76	13	20				40					48					40					27				
11	*735					120	8	26			101					*76						40					42					40					29				
12	*735					124	6	10			104					*78						42					40					38					31				
13	*735					128	5	14			104	12	20			*79	20	16				43					40					36					29				
14	141	8	14			128	7	20			109	10	22			94	13	31				48					44					37					33				
15	142	11	11			132	7	18			112	9	21			93	20	22				62					54					42					33				
16	144	9	10			132	8	15			118	8	23			101	16	27				56	18	20			50	14	8			40	16	12			35	11	6		
17	147	5	18			132	9	17			118	12	24			101	16	17				54	20	14			57	22	11			45	10	5			33	12	4		
18	147	4	11			132	11	12			114	16	22			101	14	19				68	12	26			60	9	13			45	11	18			33	16	9		
19	147					134	7	13			122	7	21			97	18	18				62	12	22			60	10	24			48	4	16			31	16	7		
20	*747					130	11	12			118	14	17			97	17	18				64	20	18			60	10	16			44	12	10			32	6	12		
21	142	13	15			128	16	10			111	19	13			97	21	28				61	13	27			57	10	14			44	11	13			31	12	6		
22	*743					128	10	8			106	18	9			95	18	16				60	11	16			56	10	15			42	15	12			31	6	4		
23	*738					122	14	3			106	14	22			95	11	17				58	11	16			56	7	25			42	11	15			31	4	4		

F_{am} = median value of effective antenna noise in db above k1b

D_u = ratio of upper decile to median in db

D_z = 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

USCMA-RE-R

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Idadan, Nigeria Lat. 7.4 N Long. 3.9 E Month April 19 60

Hour (LST)	Frequency (Mc)																																															
	.051						.113						.246						.545						2.5						5						10						20					
	F _m		D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}											
	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}								
00	*156				*144				*130									65	4	16		59	4	10	7.0	11.5	43	4	10	4.0	7.0	28	4	2														
01	*158				*144				*132									63	4	16	5.0	59	4	16	5.0	9.0	43	4	18	4.0	7.0	28	2	4	4.0	6.0												
02	*162				*150				*140									63	6	6	6.0	11.0	59	6	6	5.5	9.5	43	4	14	4.5	8.5	26	8	1	4.0	17.0											
03	*156				*150				*136									64	3	9	4.5	7.0	59	4	6	4.5	8.0	41	6	14	5.0	8.0	27	5	3													
04	*154				*144				*128									63	4	18	7.0	12.0	57	8	8	4.5	9.5	41	6	12	3.0	5.0	26	8	2	6.0	7.5											
05	*150				*142				*126									53	15	13	10.0	17.0	55	8	10			41	2	14	3.0	5.0	26	5	2	3.0	5.0											
06	*148				*138				*122									41	19	10	7.0	14.5	49	8	12	7.0	12.5	37	8	12	9.5	13.0	28	4	2													
07																		33	18	16			42	9	9			36	6	9	9.0	14.5	29	6	5													
08																		39	38	10			35	12	4	12.0	19.0	35	6	10	10.0	14.5	28	5	4	4.5	6.5											
09																		37	31	8			31	16	2			31	9	8	12.0	17.0	24	8	2	6.0	8.5											
10	*143				*150	*140	*139		*150	27.0								35	22	10	12.0	14.0	28	16	10	15.0	21.0	29	7	7	9.0	14.0	25	8	5	8.0	10.0											
11	*136				*140	*130	*128		*125	22.0								35	25	12	13.0	17.5	31	14	9			31	8	7	10.5	15.0	26	7	4	4.0	8.0											
12	*138				*125	*120	*121		*130	22.5								39	23	8	13.0	22.5	31	17	6	10.0	16.0	33	8	4	10.0	14.0	28	6	4	6.0	9.5											
13	*141				*100	*170	*124		*115	18.0								11.0	20.5	39	24	12	10.0	15.0	31	16	6	11.5	13.5	37	6	10	9.0	12.5	30	6	4	3.5	6.5									
14	*144				*85	*150	*130	*12	8	9.5	16.0	111	13	15	*10.0	*18.5		20	20	13.0	22.0	39	28	12	8.5	15.0	40	20	16	11.0	15.5	40	5	11	16.0	12.0	32	8	4									
15	*146				*14	*100	*160	*133	11	15	9.5	16.5	117	16	21	10.0	*18.0	18	24	11.0	20.5	47	26	25	9.0	13.5	43	17	13	12.0	14.0	41	10	10														
16	*148				*10	*12	*100	*130	134	11	23	*80	155	116	14	18	10.0	18.0	98	14	22	9.0	18.0	49	16	10	5.5	10.5	45	2	12	4.0	6.5	34	6	4	3.5	7.0										
17	*145				*9	*100	*155	*136	8	12	8.5	15.5	116	12	12	9.5	14.5	98	10	16	7.0	15.5	61	8	24	3.0	6.0	55	8	12	2.0	4.0	43	9	6													
18	*146				*80	*145	*134	13	11	6.5	12.0	117	9	15	7.0	13.5		96	20	16	7.5	13.0	65	8	22			57	7	11			43	4	12													
19	*146				*10	*115	*134	10	4	6.0	11.0	114	20	10	6.0	12.0	*97				4.5	8.0	67	4	20	3.0	5.5	60	9	25			43	6	5	8.5	12.5	30	10	6								
20	*146				*6.5	*125	*133			*6.0	*11.0	*113						5.0	11.0	68	7	24	3.0	10.0	63	4	26	4.5	9.0	45	4	14																
21	*148				*10	*110	*130	10	6	8.5	15.0	110	18	6	3.5	6.0					5.0	10.0	64	9	17			63	6	18	3.0	6.5	43	6	16	4.0	7.5	29	7	5	4.0	6.5						
22	*147				*6.5	*145	*133			*8.5	*17.0	*114						6.0	12.0			6.0	12.5	10	16	5.0	8.0	61	4	18	5.0	9.5	45	2	18	5.0	8.0	28	15	4								
23	*140				*6.0	*130	*129			*5.0	*12.5	*112						5.0	10.5	65	6	20	5.0	9.0	59	6	14	5.0	9.0	41	6	16	4.5	8.0	28	16	4											

F_m = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = 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

02000-4-61-1

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month May 1960

Time (S)	Frequency (Mc)											
	.051				.113				.246			
	Fom [†]	Du	Vdm	Ldm	Fom [†]	Du	Vdm	Ldm	Fom [†]	Du	Vdm	Ldm
00	149				122				102			
01	142				116				97			
02	145				117				93			
03	144				114				96			
04	142				114				91			
05	149				113				82			
06	140				112				80			
07	130				101				78			
08					112				70			
09	118				92				67			
10	130				89				64			
11	118				92				68			
12	130				97				61			
13	130				114				64			
14	147				118				69			
15	141				117				76			
16	145				116				84			
17	147				120				92			
18	148				114				96			
19	148				114				94			
20	150				114				94			
21	150				116				92			
22	152				116				86			
23	148				118				86			

Fom = median value of effective antenna noise in db above k1b

Du = ratio of upper decile to median in db

D_L = 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

USCIB-107-1-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria

Lat. 7.4 N Long. 3.9 E

Month July 19 60

Frequency (Mc)

Frequency (Mc)																														
												2.5				5				10				20						
F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	
00					48					50					28					25						25				
01					52					44					25					25						25				
02					52					47					33					25						25				
03					57					48					36					25						25				
04					54					49					33					25						25				
05					52					42					32					25						25				
06					29					38					34					29						29				
07					33					44					17					27						27				
08					29					32					21					27						27				
09					24					28					23					23						23				
10					26					28					24					23						23				
11					28					24					27					28						28				
12					29					25					27					27						27				
13					26					25					33					31						31				
14					30					36					37					31						31				
15					42					38					37					31						31				
16					46					48					41					32						32				
17					56					54					45					33						33				
18					64					58					48					29						29				
19					64					54					44					27						27				
20					56					56					39					26						26				
21					54					51					33					25						25				
22					50					47					32					25						25				
23					50					44					31					25						25				

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

USCOM-NS-R

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii

Lat. 22.0N Long. 159.7W

Month December 1962

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}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	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	4	2	100	165	129	5	4	95	155	105	8	6	80	140	85	12	6	90	165	60	6	6	50	5	2		35	6	4		21	2	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
01	152	4	4	95	155	131	3	5	90	155	105	8	4	90	155	87	9	8	100	170	60	7	6	54	3	6		35	6	4		21	2	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
02	152	4	4	100	165	131	4	4	95	160	107	6	4	90	160	85	12	4	85	150	60	6	5	54	7	4		35	11	4		21	2	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
03	152	4	5	100	165	131	3	3	100	170	107	6	4	90	165	85	11	6	85	150	60	6	5	54	5	6		35	7	4		21	2	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
04	152	4	4	100	160	131	4	3	105	170	105	7	4	90	160	83	14	4	95	165	58	7	2	52	4	6		33	6	4		21	2	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
05	154	2	4	105	170	131	4	3	110	175	105	6	4	95	170	83	12	8	95	175	58	8	3	50	5	4		31	5	2		23	0	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
06	154	2	4	110	175	131	4	4	105	180	103	7	4	85	165	77	15	5	85	155	58	9	4	50	4	6		31	4	2		23	1	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
07	154	2	2	110	175	123	6	2	105	175	89	12	7	105	185	61	14	7	50	80	56	7	6	50	4	6		35	6	4		23	2	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
08	148	4	2	115	190	117	7	3	115	190	79	16	10	90	150	55	16	4	60	90	44	6	5	42	10	7		35	6	6		23	2	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
09	147	5	3	125	195	107	14	6	140	210	77	18	8	80	135	53	22	2	50	75	36	10	6	28	15	4		33	7	8		23	2	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
10	146	6	4	135	205	105	14	10	135	230	80	18	11	115	160	55	16	4	60	100	34	8	6	26	14	6		31	7	10		21	2	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
11	147	6	3	130	210	107	13	10	130	205	81	17	12	100	170	55	13	6	40	70	32	6	4	24	12	4		29	5	10		21	4	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
12	148	4	4	140	215	109	11	10	140	215	83	14	14	80	145	53	17	4	60	90	30	8	3	22	13	2		27	10	7		21	4	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
13	148	4	4	140	220	106	14	7	125	185	81	19	12	105	200	53	24	2	40	65	30	8	2	23	12	5		27	10	9		23	4	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
14	148	4	2	150	220	107	9	8	135	200	76	19	7	95	155	53	21	2	40	70	30	9	2	26	12	6		28	11	7		23	3	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

F_{am} = median value of effective antenna noise in db above k1b

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

CGO:MA:WEL:VA

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Kukaha, Hawaii

Lat. 22.0N Long. 159.7W

Month January 19 63

Hour (EST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	.013				.051				.160				.495				2.5				5				10				20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm

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

D_g = ratio of upper decile to median 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

1500000000

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii

Lat. 22.0N Long. 159.7W

Month February 19 63

Hour (ST)	Frequency (Mc)											
	.013				.051				.160			
	Fom	D _g	Vdm	Ldm	Fom	D _g	Vdm	Ldm	Fom	D _g	Vdm	Ldm
00	155	2	4	10.0 16.0	128	6	2	10.0 15.0	107	4	6	10.0 12.0
01	153	4	2	10.5 17.0	130	4	4	10.0 15.5	107	4	6	9.0 15.0
02	155	3	4	11.0 17.5	130	4	4	10.0 16.0	107	8	4	9.5 16.0
03	155	2	3	10.0 16.0	130	4	2	10.0 17.0	108	7	5	10.0 16.0
04	155	3	3	10.0 16.5	130	4	4	10.5 17.0	105	6	4	11.0 17.5
05	155	2	2	10.0 17.0	130	4	4	10.5 17.5	105	4	6	10.0 17.0
06	157	2	4	10.0 16.5	128	6	4	10.0 17.0	101	6	2	10.0 15.0
07	157	3	4	10.5 17.5	124	2	4	11.0 18.0	90	9	7	9.5 18.5
08	151	4	2	11.0 17.5	116	10	4	11.0 19.0	84	15	9	13.5 23.0
09	151	4	2	12.0 19.0	110	12	4	15.5 21.5	85	16	8	13.5 23.0
10	151	7	3	14.0 22.5	112	10	8	18.0 24.0	88	13	9	18.0 27.0
11	153	4	4	14.5 21.5	113	12	7	18.0 24.5	87	22	6	15.5 24.0
12	153	3	4	14.0 21.5	112	12	4	16.0 23.5	85	13	8	17.0 27.5
13	151	4	2	15.5 23.0	116	6	8	16.5 25.0	85	15	6	16.0 25.0
14	153	2	4	15.0 22.5	114	10	6	17.0 25.5	88	26	10	17.0 25.5
15	153	2	5	15.0 24.0	112	12	4	18.0 25.0	87	12	10	13.5 24.5
16	151	6	2	14.5 23.0	110	12	4	15.5 24.0	84	17	7	15.0 27.0
17	151	6	4	14.0 22.0	112	10	10	16.5 22.5	83	16	8	14.5 19.5
18	151	4	4	13.0 21.0	116	8	12	14.0 21.0	90	17	9	18.5 27.5
19	151	4	3	10.5 16.5	118	6	6	13.0 18.5	96	6	5	13.5 23.0
20	153	2	4	11.0 17.0	120	6	4	16.0 23.0	99	6	6	15.0 25.0
21	154	1	3	10.0 17.0	122	6	4	14.0 20.5	101	6	6	13.5 23.5
22	153	4	2	10.0 17.0	126	4	4	12.0 18.0	103	9	4	11.5 19.0
23	155	2	4	10.0 16.0	128	4	2	11.0 18.5	107	2	8	9.5 15.5

Fom = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = 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

GRAPH-100-11

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India

Lat. 28.8 N Long. 77.3 E

Month October 1962

Hour (LST)	Frequency (Mc)											
	.013				.051				.160			
	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}
00	153	2	2	8.0 12.0	132	4	5	8.5 13.0	112	8	4	7.0 12.5
01	153	2	2	8.0 13.0	131	3	5	9.5 13.5	112	7	5	8.5 13.5
02	153	2	2	8.5 13.0	130	5	3	9.5 14.5	112	7	7	8.5 13.0
03	153	2	2	9.0 14.0	131	4	4	10.0 15.5	108	4	2	10.5 15.5
04	153	2	2	10.0 15.0	128	7	2	10.0 15.5	108	5	5	10.0 15.5
05	153	2	2	11.0 16.5	128	8	4	10.5 16.0	104	4	5	8.0 12.5
06	153	0	2	11.5 16.0	124	5	4	10.0 15.0	88	8	6	6.5 12.0
07	149	2	4	11.0 16.0	118	7	4	11.0 16.0	89	13	7	8.0 10.0
08	147	6	3	12.0 17.0	114	*	*	12.5 17.0	92	*	*	4.5 7.0
09	147	*	*	11.5 17.0	116	18	12	15.0 18.5	88	22	6	*
10	147	4	4	12.0 19.0	119	*	*	14.0 20.0	90	9	2	7.0 13.0
11	149	2	3	11.0 17.0	120	6	8	12.5 19.0	90	8	6	9.5 12.5
12	151	2	4	11.5 16.5	122	4	6	11.5 19.0	91	9	5	7.5 12.0
13	151	2	4	10.5 16.0	124	4	8	12.0 17.5	94	8	8	9.0 14.0
14	151	4	4	10.5 15.5	124	6	8	11.5 16.5	92	16	6	8.5 13.0
15	153	2	7	10.0 15.0	122	9	4	11.0 17.0	94	18	8	9.5 14.0
16	152	3	3	9.5 14.0	122	9	4	11.0 16.5	94	12	10	8.5 12.5
17	151	2	2	8.0 12.0	124	4	6	10.5 16.0	105	5	7	9.0 14.5
18	151	2	0	7.5 11.0	120	5	4	10.5 16.0	108	2	4	8.5 14.5
19	153	2	2	7.0 10.5	127	4	7	9.5 15.5	108	3	5	9.0 14.5
20	153	2	2	6.0 10.0	128	4	7	8.5 13.0	110	5	8	7.0 11.5
21	155	0	2	7.0 10.0	130	5	3	7.5 11.5	110	6	4	6.5 10.0
22	155	2	3	7.0 10.5	130	5	6	7.5 11.5	112	6	6	7.0 11.0
23	154	3	3	7.5 11.0	132	2	10	8.0 13.5	114	6	6	7.0 11.5

F_m = median value of effective antenna noise in db above ktb

D_f = ratio of upper decile to median in db

V_{dm} = ratio of median to lower decile in db

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

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

ISSUED BY: WPT-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month December 1962

Hour (IST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}
	154	2	2	6.5	8.5	128	7	2	9.0	12.0	109	4	9	7.5	11.0	81	10	11	7.5	12.0	57	8	5	4.0	6.5	53	2	4	4.0	6.0	34	4	4	3.0	4.5	26	3	2	2.0	2.5
00	154	4	2	7.0	9.0	130	4	6	9.5	12.5	103	11	4	8.0	13.5	79	11	9	7.0	9.5	59	5	6	3.0	5.0	53	6	6	3.5	6.0	34	4	2	3.0	4.0	26	4	2	2.0	2.5
01	154	2	2	7.0	9.0	128	6	4	9.5	13.0	103	10	4	10.0	14.5	79	8	10	7.5	10.5	59	6	6	5.0	7.0	53	4	4	5.0	7.0	35	6	7	3.0	4.0	26	4	2	2.0	2.5
02	154	2	3	8.0	10.5	128	6	4	9.5	13.5	102	10	5	9.5	14.0	79	15	12	7.5	10.5	57	8	4	4.0	6.0	53	4	4	4.0	7.0	36	2	4	3.5	5.0	26	4	2	1.5	3.0
03	156	2	5	8.0	10.0	128	6	4	8.5	12.5	101	11	6	8.5	13.0	77	17	11	5.5	7.5	59	7	6	5.0	8.0	51	6	2	4.0	6.0	34	5	5	2.0	3.5	26	4	0	2.0	3.0
04	156	2	4	8.5	11.5	128	5	6	8.0	10.0	103	7	7	8.0	13.0	75	18	12	5.0	8.0	57	10	4	4.5	6.5	47	7	2	3.5	5.0	32	4	4	2.0	3.5	27	3	3	2.0	3.0
05	155	3	3	7.0	10.0	124	4	4	7.0	10.0	95	8	8	8.0	11.5	71	3	9	3.5	5.5	57	7	6	3.5	5.5	49	8	2	4.0	5.0	36	2	4	2.5	4.0	26	2	2	2.0	3.5
06	152	4	3	5.5	7.5	118	6	2	5.0	7.5	89	9	10	6.5	10.0	69	8	9	2.5	4.0	48	7	3	3.0	4.5	47	8	5	4.0	6.0	38	6	2	2.5	4.0	26	2	2	1.5	2.5
07	152	4	3	5.5	7.5	114	14	4	5.0	7.0	85	6	8	6.0	8.0	70		3.0	5.0	45	4	6	2.5	3.5	41	8	5	3.5	5.0	36	4	3	2.0	4.0	26			2.0	3.5	
08	150	4	2	5.5	7.5	112	9	6	6.0	9.0	85	12	8	6.0	10.0	69	6	10	2.0	4.0	45	2	6	3.0	4.5	35	16	6	2.5	4.0	32	8	4	3.5	4.5	26	4	0	2.0	3.5
09	150	2	4	7.0	8.0	112	4	5	4.0	6.0	87	10	10	8.0	12.0	69	9	10	2.0	3.0	45	2	6	2.5	4.0	34	7	5	4.0	5.0	38	4	8	2.5	4.0	26	4	2	2.5	3.5
10	150	2	3	7.5	9.5	112	11	5	4.0	6.0	85	11	12	8.0	10.5	68	7	7	3.0	4.0	45	2	4	2.5	4.0	33	8	4	2.5	4.0	36	4	3	2.5	4.0	28	4	4	2.0	3.5
11	149	5	2	7.5	8.5	112	10	4	5.0	7.5	91	8	16	8.5	12.5	67	10	4	2.5	3.5	43	6	4	2.5	4.0	29	16	1	2.5	4.0	32	3	4			28	3	4	2.5	4.0
12	148	6	2	7.5	8.5	114	8	6	5.0	7.5	86	2	11	4.0	5.5	67	8	3	2.5	4.0	43	2	4	2.5	3.5	31	11	8	3.0	4.0	40	5	10	2.5	3.5	28	3	1	3.0	4.0
13	150	4	2	7.0	8.5	112	6	4	4.0	7.0	84	8	9	7.0	10.0	67	3	7	2.5	3.5	43	10	3	2.0	4.0	33	6	6	3.0	3.0	40			2.5	4.0	28	5	3	3.5	5.0
14	150	4	2	7.5	11.0	112	4	5	5.0	7.5	83	14	8	8.5	12.0	67	4	6	3.0	5.0	43	5	4	3.0	4.0	33	4	4	3.0	4.0	39			2.0	8.0	28	4	2	3.0	4.5
15	150	4	2	7.5	11.0	114	8	5	5.0	7.5	87	25	7	8.0	11.0	69	19	9	5.5	7.5	45	3	5	3.5	5.0	42	6	5	5.0	7.0	42	4	4	6.0	8.5	28	4	3	4.0	5.0
16	150	4	3	7.5	10.0	114	8	5	5.0	7.5	87	25	7	8.0	11.0	69	19	9	5.5	7.5	45	3	5	3.5	5.0	42	6	5	5.0	7.0	42	4	4	6.0	8.5	28	4	3	4.0	5.0
17	152	3	2	6.0	8.0	118	11	4	5.0	7.5	97	14	10	10.0	15.5	75	12	10	6.0	8.0	49	11	4	4.0	5.0	49	6	7	3.0	4.5	42	6	4	3.5	4.5	28	2	4	2.0	3.0
18	152	4	2	5.5	7.5	120	12	2	5.5	8.0	101	12	10	8.5	13.5	77	12	10	6.0	8.5	53	12	4	5.0	7.0	50	9	3	4.0	6.0	40	12	4	4.5	6.5	26	2	2	2.0	3.5
19	154	2	2	6.0	8.5	124	6	6	7.5	9.0	102	9	9	10.5	17.0	79	12	8	7.0	9.5	53	12	2	5.0	7.0	52	6	3	5.5	9.0	40	2	4	4.5	6.0	26	2	2	1.5	3.5
20	154	2	2	6.5	8.5	126	4	4	7.5	10.0	105	8	10	10.0	14.0	81	10	7	6.5	9.0	55	16	6	4.0	5.5	51	4	3	6.5	8.5	38	8	2	4.0	5.5	26	6	4	2.0	3.0
21	154	3	2	7.0	9.5	128	4	4	6.5	10.0	109	4	11	7.0	11.0	79	14	8	6.0	8.5	56	7	5	4.0	5.5	53	4	4	4.0	5.5	38	4	4	4.5	5.5	26	2	4	1.5	2.5
22	156	1	2	7.0	10.0	128	6	2	6.5	10.0	109	6	10	7.0	11.5	81	13	8	5.0	8.5	56	8	3	4.0	5.5	53	4	4	5.0	7.5	36	6	7	4.0	5.5	26	6	4	2.0	3.0
23	154	3	2	6.5	9.5	128	5	3	8.0	11.0	109	4	8	7.0	10.5	81	12	10	7.0	10.0	59	7	7	4.5	7.0	51	4	2	4.5	6.5	32	4	2	2.5	4.0	26	4	4	2.0	3.5

F_m = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_g = 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

CCOMM-62-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8N Long. 77.3 E Month January 19 63

Hour (IST)	Frequency (Mc)																																															
	.013						.051						.160						.495						2.5						5						10						20					
	Fom		Du	Df	Vdm	Ldm	Fom		Du	Df	Vdm	Ldm	Fom		Du	Df	Vdm	Ldm	Fom		Du	Df	Vdm	Ldm	Fom		Du	Df	Vdm	Ldm	Fom		Du	Df	Vdm	Ldm	Fom		Du	Df	Vdm	Ldm						
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm			
00	155	0	4	6.5	8.5	128	2	6	8.0	10.0	107	5	6	8.0	11.5	81	4	6	6.0	9.0	54	6	4	5.5	8.0	57	6	2	4.0	6.0	31	4	2	2.5	4.5	26	2	2	2.0	3.5								
01	155	2	4	7.0	9.0	128	4	4	8.5	11.5	105	3	6	9.0	12.0	81	4	4	6.0	8.0	54	6	0	5.0	7.5	53	4	4	5.0	7.0	33	4	4	2.5	4.5	26	2	2	2.0	3.5								
02	153	2	2	6.5	8.5	128	2	4	8.5	11.5	103	4	5	8.5	12.0	79	6	4	6.5	9.0	54	4	2	4.5	7.0	51	4	4	5.0	7.0	35	4	4	2.0	4.0	26	2	2	2.5	3.5								
03	155	2	4	6.5	8.5	128	2	4	9.5	12.0	104	4	6	8.5	12.5	79	6	4	6.0	8.5	54	5	4	4.0	6.0	53	4	6	4.0	6.0	35	8	6	2.0	3.5	26	2	2	1.5	3.0								
04	155	0	4	7.0	9.5	128	4	4	9.0	11.5	102	3	6	8.0	12.0	79	4	6	5.5	7.5	54	4	2	4.0	5.5	51	2	6	4.5	6.0	33	4	4	2.5	4.0	26	2	2	2.0	3.0								
05	155	1	4	6.5	9.0	126	4	4	8.5	12.0	106	7	7	7.0	11.5	77	6	4	6.0	8.5	54	4	6	5.0	7.5	46	5	5	4.0	5.0	31	6	2	1.5	3.0	28	2	4	2.0	3.5								
06	155	2	4	6.5	8.5	126	4	4	8.0	11.5	100	5	8	7.5	11.5	73	6	6	4.0	5.0	52	5	4	2.0	5.0	45	4	4	3.0	5.5	33	2	4	2.0	4.0	28	2	2	1.5	3.5								
07	153	2	4	6.0	8.0	120	4	4	6.0	8.5	91			9.5	13.0	68	10	4	2.0	2.5	50	4	6	5.0	7.0	45	4	3	3.5	5.5	39	2	4	1.5	3.0	26	4	2	1.0	3.0								
08	149	4	4	5.0	7.0	115	5	4	3.5	6.0	90			8.5	13.0	69			2.5	3.0	44	4	2	1.5	3.0	41	2	6	3.0	4.5	35	4	4	0.5	2.0	26			2.0	4.0								
09	149	4	8	6.0	8.0	116			2.5	6.0	94			9.5	12.5	67			4.0	5.0	44	4	4	4.0	4.0	35			2.5	4.0	31			2.5	4.0	26	2	2	1.0	2.5								
10	149	2	4	4.0	6.0	115			3.0	6.0	94			10.5	18.0	67			2.5	4.0	44					35			2.0	3.0	39			2.0	3.0	26			1.5	3.0								
11	151	0	6	6.0	8.0	115			3.5	6.5	90			9.0	14.0	67	6	4	4.0	4.5	44			2.5	4.0	35			2.5	4.0	39			5.0	7.0	26	2	0	4.5	6.0								
12	151	1	6	5.5	7.0	116	2	5	4.0	6.5	89			7.5	12.0	67	7	4	2.5	4.0	44	2	6	3.0	4.5	35	6	4			31					26	4	2	4.0	5.5								
13	149	4	2	5.0	7.0	115	4	5	4.0	7.0	94			7.5	12.5	65	4	5	3.0	4.5	44	2	4	2.0	3.5	37	4	6	2.0	3.5	37			26	2	2	2.5	4.0										
14	151	3	6	6.0	8.0	116	2	8	4.0	6.5	88	6	6	7.0	11.0	67			2.5	4.0	44	3	5	1.5	3.0	37	3	6	1.0	1.0	41			28					2.5	4.0								
15	151	2	4	6.0	7.5	116	4	8	3.5	6.0	86					65	10	7	3.0	4.5	44	7	6	5.0	6.0	37	4	6	3.0	4.5	34			28	2	2	3.0	4.0										
16	152	2	3	5.0	6.5	116	4	8	4.0	6.5	90			9.5	12.5	64			3.0	5.0	44	2	6	3.0	4.0	41			2.0	4.0	39					4.0	6.0	26	2	2	2.0	3.5						
17	152	2	3	5.0	7.0	116	6	7	5.0	7.0	92			9.0	12.5	72	9	3	5.5	6.5	46	3	4	3.0	5.0	50			3.5	5.0	39			26	2	2	1.5	3.0										
18	153	2	4	4.0	6.0	118	5	5	5.5	8.0	101	7	10	8.5	11.5	75	8	4	8.0	8.0	48	6	2	3.5	5.0	49	4	5	4.0	6.0	37	2	2	26	2	2	2.0	3.0										
19	153	2	2	5.5	6.5	120	6	4	8.0	11.0	104	6	11	10.0	12.5	75	8	4	6.0	8.0	50	6	2	3.0	5.0	49	8	4	4.0	6.5	37	4	2	4.0	6.0	26	2	2	2.0	3.5								
20	155	2	4	5.5	7.0	124	7	4	8.5	11.0	104	3	5	8.0	12.5	77	4	4	4.5	6.5	52	4	4	4.0	5.5	50	6	3	7.0	11.0	39	8	4	3.5	6.0	25	3	1	2.0	3.0								
21	155	2	4	6.0	8.0	126	4	2	7.5	10.5	106	6	6	6.5	15.0	79	4	4	5.0	7.0	52	6	2	3.5	5.5	57	4	4	4.0	6.5	35	5	2	5.0	7.0	24	4	0	1.5	3.0								
22	155	2	2	6.5	8.5	128	0	2	7.0	9.5	106	6	8	7.5	10.5	79	6	4	5.0	7.5	54	4	4	3.0	5.5	50	3	5	4.5	6.5	33	10	4	3.5	5.5	26	2	2	2.0	3.5								
23	155	2	2	7.0	9.0	128	0	4	7.5	10.0	104	9	4	8.0	12.0	81	6	4	7.5	8.5	54	4	4	4.0	7.0	53	4	2	5.0	6.0	31	4	2	4.0	5.0	26	2	2	2.0	3.5								

Fom = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = 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

UDOM-45-41

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India

Lat. 28.8 N Long. 77.3 E

Month February 1963

Hour (IST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	.013						.051						.160						.495						2.5						5						10						20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	F _m			D _u			V _{dm}			L _{dm}			F _m			D _u			V _{dm}			L _{dm}			F _m			D _u			V _{dm}			L _{dm}			F _m			D _u			V _{dm}			L _{dm}			F _m			D _u			V _{dm}			L _{dm}																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u	V _{dm}	F _m	D _u

F_m = 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

14-0000-402-1-R

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6N Long. 140.5E Month December 19 62

Hour (ST)		Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		.013						.051						.160						.495						2.5						5						10						20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du		Df		Vdm		Ldm		Fam		Du	

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. 35.6N Long. 140.5E

Month January 1963

Hour (ST)	Frequency (Mc)											
	.051				.160				.495			
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du
00	151	3	6	8.5	13.0	129	8	6	12.5	20.0	87	12
01	152	4	6	10.5	15.5	129	6	6	12.0	20.0	90	11
02	151	4	4	8.5	14.0	127	10	10	10.5	18.0	90	10
03	151	5	3	7.0	15.0	129	5	6	9.5	17.0	90	9
04	151	6	4	8.0	12.0	128	8	3	12.0	19.5	86	12
05	151	7	4	10.0	14.5	129	8	6	13.5	20.5	84	10
06	150	5	4	9.5	15.0	125	9	11	12.5	19.5	78	13
07	149	4	6	8.5	12.5	119	12	11	19.0	24.0	72	19
08	147	8	2	12.0	16.0	118	17	11	18.5	22.0	74	14
09	149			9.5	14.5	117			14.5	22.5	72	
10	147			9.5	15.0	113			17.5	25.0	68	17
11	149	7	2	7.0	15.0	119	8	12	16.0	20.5	75	10
12	149	5	2	11.5	16.0	117	12	8	18.0	22.0	65	19
13	151	4	4	11.0	15.5	119	9	11	7.0	11.0	68	12
14	151	5	4	12.0	16.5	117	10	12	15.0	22.0	68	16
15	151	4	5	11.5	16.5	115	16	9	14.0	18.0	76	18
16	151	4	4	10.0	14.0	120	10	10	15.5	18.0	84	12
17	151	4	6	10.0	14.5	124	9	5	18.5	23.5	84	11
18	151	6	4	8.0	13.0	127	8	7	14.0	21.5	86	10
19	153	5	4	10.5	15.0	127	9	6	13.0	19.0	89	10
20	153	5	6	9.0	13.5	127	11	5	12.0	19.0	90	12
21	151	7	4	9.0	13.0	129	8	6	11.0	17.0	92	9
22	154	3	4	9.0	14.0	129	7	6	10.5	17.0	88	10
23	151	4	4	9.0	13.5	129	6	5	12.0	19.5	92	7

Fom = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

Vdm = median deviation of overage voltage in db below mean power

Ldm = median deviation of overage logarithm in db below mean power

LC-2000-40-1-1-1

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan

Lat. 35.6N Long. 140.5E

Month February 1963

Hour (LST)	Frequency (Mc)																																															
	.013						.051						.160						.495						2.5						5						10						20					
	F _{am}	D _u	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _u	V _{dm}	L _{dm}	F _{dm}	D _u	V _{dm}	L _{dm}	F _{dm}	D _u	V _{dm}	L _{dm}	F _{dm}	D _u	V _{dm}	L _{dm}	F _{dm}	D _u	V _{dm}	L _{dm}	F _{dm}	D _u	V _{dm}	L _{dm}	F _{dm}	D _u	V _{dm}	L _{dm}	F _{dm}	D _u	V _{dm}	L _{dm}								
	F _{am}	D _u	D _g	V _{dm}	L _{dm}	F _{dm}	D _u	D _g	V _{dm}	L _{dm}	F _{dm}	D _u	D _g	V _{dm}	L _{dm}	F _{dm}	D _u	D _g	V _{dm}	L _{dm}	F _{dm}	D _u	D _g	V _{dm}	L _{dm}	F _{dm}	D _u	D _g	V _{dm}	L _{dm}	F _{dm}	D _u	D _g	V _{dm}	L _{dm}	F _{dm}	D _u	D _g	V _{dm}	L _{dm}								
00	149	4	2	80	120	127	6	4	11.0	16.5	108	8	4	11.0	16.0	87	8	4	11.0	16.0	58	9	5	4.5	8.0	5.5	6	2	4.5	8.5	32	5	3	20.0	4.0	23	0	2	1.0	3.0								
01	149	5	2	90	125	127	6	2	12.0	18.0	110	4	6	10.0	15.0	87	6	4	8.0	14.5	58	8	4	5.0	9.0	5.5	5	3	6.0	10.0	33	2	2	2.5	4.0	23	0	0	1.0	3.0								
02	151	2	2	75	115	127	4	4	11.0	16.5	106	6	5	10.0	15.5	87	8	6	10.5	16.0	58	6	4	6.0	6.0	5.7	3	5	6.0	10.0	33	2	3	20.0	3.0	23	0	0	1.0	2.0								
03	149	4	1	90	135	127	4	6	13.0	19.0	106	6	6	9.0	15.0	87	6	6	10.0	17.0	58	6	6	4.0	7.0	7.1	6	9	5.0	11.5	31	2	1	1.5	3.0	23	0	0	1.0	2.0								
04	151	2	2	80	125	127	3	5	12.0	17.5	105	8	7	10.0	16.0	85	6	6	12.0	19.0	58	6	4	14.0	20.0	6.7	9	6	15.5	17.0	31	2	0	1.5	3.0	23	2	0	1.0	2.0								
05	151	2	3	100	140	125	4	4	11.0	15.0	102	7	7	15.5	22.0	78	10	7	14.5	19.5	58	8	5	16.5	20.0	6.6	8	5			32	1	1	2.0	4.0	23	2	0	2.0	2.5								
06	149	4	2	90	140	119	8	4	14.0	20.0	89	11	9	7.0	10.0	63	12	4	15.5	22.0	54	7	4	4.0	6.0	6.5	6	4			35	3	2	5.0	8.0	23	2	0	2.0	4.0								
07	147	2	4	80	115	115	8	6	7.5	10.5	84	10	4			61	11	4			46	7	4	8.0	12.0	5.5	4	4	8.0	12.0	37	4	4	5.0	7.5	25	3	2	1.5	3.0								
08	147	4	2	85	140	109	12	4	11.0	14.5	80	14	4			61	10	4	3.5	6.5	42	10	4	6.5	10.0	4.7	4	6	5.0	8.5	37	4	6	4.0	6.5	25	4	2	1.5	3.5								
09	149	2	4	110	155	105	16	5	17.5	20.5	80	15	3			63	14	6			40	4	4	6.0	9.0	4.1	8	6	6.0	10.0	33	11	4	4.0	6.0	25	4	2	2.0	4.5								
10	147			135	170	109			12.0	15.0	82					63	16	6			58										31	2	4	9.0	11.5	25	0	2	2.5	4.0								
11	147	4	4	115	160	111	11	5	14.0	18.0	80	18	8			61	12	4			38	4	2	8.0	11.5	3.7	11	4	6.0	8.0	30	7	3	7.0	2.5	25	2	2	2.5	4.0								
12	149	2	4	100	140	110	17	5	9.0	11.5	80	20	4			61	11	6			38	4	2	7.5	10.0	3.3	9	2	7.0	10.0	29	8	2	4.0	5.5	25	0	2	2.0	4.0								
13	147	4	2	95	140	111	12	6	5.5	8.0	82	24	8			63	19	6	7.0	22.0	38	4	2	5.5	5.5	3.7	1	4	8.0	10.5	33	4	4	5.5	7.5	25	2	2	3.0	5.0								
14	149	4	2	80	125	111	10	5	13.5	18.0	78	12	4			61	15	4			39	5	3	3.0	5.5	3.9	7	4	4.0	7.0	33	8	2	9.5	9.0	25	2	2	1.5	3.5								
15	149	4	2	90	130	108	17	3	16.5	21.0	80	18	6			63	16	6	9.0	22.0	38	10	2	7.0	10.0	4.7	8	8	6.0	9.0	35	6	4	4.0	4.0	25	2	2	2.0	4.0								
16	149	4	2	80	130	111	20	6	10.0	12.0	87	20	9			63	10	4	9.0	14.0	44	14	6	7.5	10.0	5.9	6	10			38	5	3	3.5	7.5	25	0	2	2.0	3.5								
17	149	5	2	90	130	115	15	3	11.0	15.0	92	15	7			79	14	6	12.0	16.5	48	8	4	5.0	8.0	6.9	6	7	8.0	14.5	39	4	2	2.5	5.5	23	4	1	2.0	3.0								
18	149	4	2	80	115	121	8	2	8.0	14.5	98	16	6			81	10	4	9.0	22.0	54	12	4	9.0	12.0	6.7	10	4	5.0	9.0	39	8	4	3.0	6.0	23	1	2	2.5	4.0								
19	151	2	4	80	130	123	7	2	9.0	13.0	100	12	6			85	8	6	10.0	17.0	56	11	4	8.0	11.5	6.6	7	7			39	2	4	3.0	5.5	23	0	2	1.0	3.0								
20	151	3	4	70	115	125	6	4	8.0	12.0	102	11	6			85	10	4	11.5	17.5	56	13	4	3.0	7.0	6.7	8	6	7.5	13.0	37	6	4	4.0	7.0	23	1	2	1.5	3.0								
21	151	4	4	80	125	126	7	3	9.5	15.0	104	9	5			87	5	5	10.0	14.0	58	12	6	6.0	10.0	7.0	5	5	8.0	12.0	37	4	6	3.5	5.5	23	0	2	2.0	3.0								
22	149	6	2	90	135	127	6	4	9.0	15.0	105	11	3			85	11	2	7.5	11.0	58	12	6	4.0	7.5	5.5	3	4	3.5	6.5	35	4	4	2.5	4.0	23	0	2	1.5	3.0								
23	150	3	3	85	130	127	5	4	9.0	14.5	106	8	2			87	9	4	10.5	15.0	62	6	8	8.0	12.0	5.5	5	4	4.0	7.5	33	4	2	2.5	4.0	23	0	2	1.0	3.0								

F_{am} = median value of effective antenna noise in db above k1b

D_u = ratio of upper decile to median in db

D_g = 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

USCGA-RES-R

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

F _m (LSI)		Frequency (Mc)																																	
		.013				.051				.160				.495				2.5				5				10				20					
		F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u	D _l	V _{dm}	L _{dm}				
00	163	6	8			116	12	12			99	10	12			70	10	6			64	10	4			46	9	4			21	12	4		
01	161	8	9			116	10	14			97	12	11			68	13	4			64	7	7			44	7	5			21	7	3		
02	159	8	4			112	12	8			93	13	10			68	10	6			64	6	6			42	5	5			21	4	4		
03	159	8	8			110	13	8			89	16	10			66	12	4			60	9	3			40	7	4			21	5	4		
04	159	6	4			106	13	6			83	14	10			66	9	6			60	9	5			36	10	10			21	4	4		
05	157	6	4			90	24	12			59	28	8			60	10	4			56	10	2			42	7	6			21	5	4		
06	155	4	4			90	14	18			59	16	8			48	13	5			57	9	5			40	8	6			21	4	4		
07	155	6	6			89	17	17			58	26	8			46	8	4			48	8	8			36	10	4			22	3	5		
08	153	6	4			92					57	22	7			46	5	7			48					32					23				
09	153	9	6			88	24	16			57	25	6			46					46	4	9			36	9	8			25	2	5		
10	153	11	3			88	31	10			59	38	6			46	3	6			42	6	6			32	8	2			25	4	6		
11	157	10	6			96	25	14			68	19	15			44	8	4			43	7	9			34	6	4			25	4	4		
12	161	6	8			109	13	17			81	26	20			44	8	6			44	12	10			38	8	6			27	4	6		
13	163	6	6			114	16	6			90	18	16			50	20	12			51	13	13			44	4	6			27	2	6		
14	165	6	7			118	14	10			95	14	19			62	14	22			54	10	8			45	5	5			29	4	6		
15	167	4	7			122	10	12			99	14	19			62	16	16			60	8	10			48	4	4			31	6	9		
16	167	6	6			122	10	12			97	13	13			68	12	18			64	6	8			51	5	5			31	8	8		
17	167	6	10			124	10	12			98	17	13			66	19	12			68	9	7			52	2	2			31	5	5		
18	165	9	6			122	15	11			98	17	16			72	16	6			68	12	6			52	12	4			29	12	6		
19	165	14	7			122	10	10			101	14	10			76	12	11			70	6	6			54	10	6			27	12	6		
20	165	7	5			118	13	7			99	11	10			78	10	12			70	6	6			50	12	4			25	6	6		
21	164	5	8			117	14	8			99	13	10			76	6	12			68	8	6			48	6	4			23	8	4		
22	161	8	7			116	10	9			97	10	9			74	6	6			66	4	6			46	4	2			23	5	4		
23	161	6	6			116	10	11			97	12	10			70	8	4			64	8	4			46	5	5			22	7	4		

F_m = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa

Lat. 25.8S Long. 28.3E

Month January

1963

Frequency (Mc)																																																																															
.013										.051										.160										.495										2.5										5										10										20									
F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}																																								
00	157				134					97					72	6	2			58	4	2			38	5	3			19	7	1																																															
01	157	4	4		134					96					74	4	6			58	4	2			37	2	4			18	8	0																																															
02	159	6	8		134					95					72	7	4			58					37	2	4			18	6	0																																															
03	155				134					95					72	5	7			56	2	4			33					18	6	0																																															
04	158				134					93					71	5	5			54	6	2			31					18	8	0																																															
05	157				128					83					68	8	6			56					51					20	6	2																																															
06	153				128					58					54	10	8			50	11	6			34	7	3			18	8	0																																															
07	153				119					59					50					40					31	6	0			18	8	0																																															
08	152				117					57					46					38					28					18																																																	
09	153				116					57					49					36	6	10			25					22																																																	
10	153	8	8		118					61					48	4	6			38					25					24	2	6																																															
11	153	8	4		130					64					50					36					29					24	8	4																																															
12	157				134					69					51					42					33					58																																																	
13	160				144					80					52	24	8			45					37	12	4			26	14	4																																															
14	163				146					82					57					46	18	6			40	5	5			28	8	4																																															
15	163				148					93					54					50	12	4			42					30	4	6																																															
16	163				140					90					62	22	14			52	16	4			45	7	4			30	4	6																																															
17	161				146					92					69					56	10	9			45					28																																																	
18	161				143					91					69	11	5			62	4	2			45					26																																																	
19	159				143					94					76	8	4			64	2	4			45	2	2			26	12	6																																															
20	161	4	6		142					99					78	4	4			64	4	2			43	2	2			24	10	2																																															
21	159	4	6		141					102					78	4	4			62	4	2			41	4	2			23	3	5																																															
22	159				140					99					76	4	4			60	4	4			40					22	4	4																																															
23	151				138					97					76					59					39	2	4			78																																																	

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

12208-4-61-R

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3E Month February 19 63

Hour (ST)	Frequency (Mc)											
	.013			.051			.160			.495		
	F _{am} [†]	D _u	D _l	F _{am} [†]	D _u	D _l	F _{am} [†]	D _u	D _l	F _{am} [†]	D _u	D _l
00	162			136			115			98		
01	160			136			109			97		
02	159			138			109			95		
03	160			133			110			92		
04	158			130			107			86		
05	158			126			102			80		
06	155			121			89			56		
07	154			116			77			54		
08	152			116			79			53		
09	154			122			85			55		
10	158			122			90			56		
11	160			127			91			58		
12	160			131			95			67		
13	164			134			101			70		
14	163			134			101			72		
15	164			137			103			72		
16	164			135			104			71		
17	163			141			106			82		
18	162			138			104			91		
19	164			138			113			98		
20	164			139			118			100		
21	164			142			113			99		
22	163			144			113			100		
23	163			139			112			98		

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

10000-401-10

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco

Lat. 33.9N Long. 6.8W

Month September 19 62

Hour (EST)	Frequency (Mc)																																																															
	.013								.051								.160								.495								2.5								5								10								20							
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm																								
00	159	10	9			132	9	13			114	11	5			91	8	10			65	6	17			63	8	16			45	9	15			26	4	4																										
01	154	5	11			133	7	16			116	7	7			91	8	10			64	9	11			57	14	8			42	11	19			26	3	4																										
02	160	7	9			132	4	14			117	9	8			87	10	11			66	7	18			57	9	9			43	12	20			24	4	2																										
03	158	10	6			130	8	12			115	5	8			87	8	14			69	4	16			57	8	9			43	12	11			24	4	2																										
04	156	15	7			129	10	10			115	11	6			85	8	16			63	8	8			57	7	13			40	7	11			26	3	5																										
05	156	9	14			127	5	9			103	11	6			72	18	12			65	5	10			53	12	9			37	10	18			25	3	3																										
06	156	13	20			122	8	6			91	8	8			63	12	10			57	6	7			53	6	7			41	6	13			24	6	2																										
07	156	12	23			116	12	4			86	8	7			59	9	7			49	4	11			45	2	9			43	4	16			27	9	5																										
08	150	8	14			118					85	12	6			59	10	8			41	12	8			37	10	6			43	4	19			30																												
09	154					114					87					62					45					33					43					26																												
10	152					114	8	6			91	7	16			61	7	10			39					29	6	14			39	8	9			28	16	4																										
11	156	5	7			118	10	10			93	6	15			65	19	10			41	7	10			27	4	3			37	8	16			28	2	5																										
12	154	10	12			124	7	18			99	12	17			67	21	14			41	8	10			29	13	10			35	7	11			26	5	4																										
13	152	10	7			126	6	10			101	14	16			67	30	13			42	11	9			32	11	14			37	9	15			30	6	6																										
14	158	10	6			128					113	10	31			65	26	12			44	6	9			39	13	14			37	10	13			28	6	5																										
15	156	14	14			132	12	40			113	12	34			83	25	24			44	10	7			41	14	20			43	6	14			29	4	3																										
16	162	8	8			129	11	7			103	22	22			83	26	28			47	19	10			47	12	16			45	8	10			32	5	2																										
17	159	12	6			131	14	7			108	19	23			81	25	20			55	15	13			45	10	12			47	8	11			34	5	4																										
18	158	10	5			132	9	10			111	14	12			87	18	14			61	12	15			59	7	11			51	14	10			30	8	2																										
19	158	9	8			136	8	18			115	12	14			93	18	12			69	10	16			59	8	12			47	9	11			30	6	7																										
20	158	10	14			134	8	14			117	6	17			95	14	12			71	7	17			61	8	10			47	8	16			28	4	5																										
21	158	8	16			134	6	10			117	6	12			91	7	8			69	11	11			59	7	10			45	10	12			26	4	3																										
22	160	6	8			133	5	11			115	10	10			91	6	12			67	10	16			57	10	12			47	10	16			26	3	3																										
23	159	9	18			130	12	16			113	10	5			91	9	10			65	8	13			58	10	10			44	13	13			26	2	5																										

This sheet is a correction for corresponding sheet appearing in Tech Note 18-16

Fom = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = 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

USCOM-45-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaysia Lat. 1.3N Long. 103.8E

Month December 1962

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	.013						.051						.160						.545						2.5						5						10						20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	Fam		Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam		Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam		Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam		Df	Vdm	Ldm	Fam	Df	Vdm	Ldm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du

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

D_u = ratio of upper decile to median in db

D_g = 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

USC&ALRES-R

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3N Long. 103.8E Month January 19 63

Hour (LST)	Frequency (Mc)																																																
	.013						.051						.160						.495						2.5						5						10						20						
	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}									
00	158	2	2	7.5	12.0	134	2	2	10.0	15.5	115	3	6	11.0	18.0	90	6	4	11.0	18.0	62	5	6	9.0	15.0	57	2	4	6.0	9.5	40	4	5	6.0	8.0	23	2	0	2.0	3.5									
01	158	2	2	8.0	13.5	134	2	2	8.5	14.5	115	4	6	13.0	21.0	90	6	4	9.5	17.5	64	2	6	8.0	15.0	61	3	5	6.0	10.5	38	6	3	4.5	6.5	23	2	0	2.0	3.5									
02	158	2	2	10.5	16.0	134	4	4	9.0	14.5	113	6	4	10.0	17.0	90	6	6	10.0	17.0	62	5	4	8.5	15.0	57	2	6	6.0	11.0	36	4	4	4.0	6.0	23	2	0	2.0	3.5									
03	156	4	2	9.0	14.5	134	3	6	11.0	17.0	111	6	3	11.0	18.0	88	8	6	10.5	19.0	62	4	4	9.0	15.0	53	4	6	6.0	10.0	34	2	2	2.5	5.0	25	0	2	2.0	3.5									
04	156	5	2	10.0	16.0	132	4	4	13.0	18.0	113	4	10	13.5	22.0	90	2	12	10.0	17.0	60	6	4	8.5	14.0	51	4	5	5.5	9.5	32	2	0	2.0	4.0	25	0	2	1.5	3.0									
05	156	4	2	10.0	16.5	130	6	2	12.0	19.0	109	8	7	13.0	21.5	84	6	12	10.0	13.5	56	6	6	9.5	15.0	49	7	4	5.0	8.5	32	4	0	2.0	3.5	25	0	1	2.0	4.0									
06	156	4	2	9.0	16.5	128	3	4	11.5	19.5	97	6	6	15.0	22.0	72	8	10	6.0	9.0	54	4	7	7.0	15.0	51	3	4	5.0	9.0	38	2	2	4.5	7.0	25	0	0	2.0	3.5									
07	152	2	2	11.0	18.0	122	4	6	11.5	17.0	85	11	6	14.5	23.0	72	8	8				41	10	7	9.0	12.5	45	11	5	11.0	19.0	38	3	3	4.0	6.0	25	1	0	2.5	4.0								
08	152	2	3	12.0	17.0	118	6	6	14.0	21.0	87	10	8	15.0	25.0	74	12	8				32	11	6	9.0	15.0	35	4	4	10.0	15.0	36	2	6	4.5	7.0	25	2	2	2.0	3.5								
09	152	2	2	12.5	19.0	118	8	8	16.0	25.0	85	10	6	11.0	26.0	70	15	9	2.5	6.5	30	6	4	7.0	11.0	33	4	8	9.5	13.5	32	2	2	4.0	6.0	25	0	2	3.0	4.0									
10	152	3	3	12.0	18.5	118	10	6	12.5	20.0	85	10	9	13.5	21.5	69	14	8	8.0	13.0	30	3	3	9.0	13.0	29	6	4	9.0	14.0	30	2	2	6.0	9.0	25	0	2	3.0	4.5									
11	153	3	3	11.5	18.0	118	9	4	11.0	19.0	85	11	11	12.0	19.5	75	12	14				30	4	4	8.0	13.0	27	8	2	6.5	10.0	30	4	4	4.0	6.0	25	0	2	3.0	4.5								
12	152	2	4	11.0	17.5	120	6	4	13.5	19.0	86	9	5	13.0	21.0	76	6	12				30	5	4	9.0	12.5	27	6	2	7.5	11.0	30	2	3	6.0	9.0	25	2	2	3.0	4.5								
13	154	4	4	11.0	16.0	122	4	4	8.5	13.5	89	10	8	13.5	21.0	72	10	12				30	6	4	7.5	11.0	29	8	6	7.0	8.0	30	4	3	6.0	9.0	25	2	2	3.5	5.5								
14	155	3	3	10.5	17.5	124	8	4	12.0	21.0	95	8	6	13.0	23.0	77	9	11	16.0	26.0	30	6	4	9.0	13.0	33	6	4	7.0	16.0	34	8	4	7.0	10.0	25	4	0	2.5	5.5									
15	156	2	2	12.0	18.5	127	3	5	12.0	19.5	99	8	6	13.0	26.0	78	10	7	8.0	19.0	34	12	4	9.5	13.0	39	9	7	9.5	13.5	38	10	2	6.0	9.0	27	2	2	3.0	6.0									
16	154	3	0	10.5	18.0	128	4	9	15.0	23.0	99	6	7	12.0	19.5	78	10	6	7.0	16.0	38	10	6	7.0	17.0	43	8	4	9.0	16.0	42	8	2	5.0	9.0	27	4	2	4.0	6.5									
17	154	4	3	11.0	19.0	128	5	8	12.0	22.0	103	5	4	11.0	19.0	82	8	8	9.0	14.0	50	9	8	9.5	17.0	51	5	5	6.0	10.0	44	7	2	4.5	7.5	27	3	2	5.0	8.0									
18	154	2	4	9.5	15.0	130	6	4	12.0	19.0	111	4	5	10.0	16.5	92	4	8	8.0	14.5	58	7	8	7.0	11.0	57	3	2	5.0	9.0	46	2	4	5.0	8.0	27	2	3	2.5	4.5									
19	156	2	4	10.0	15.0	132	6	6	12.0	19.5	113	5	5	9.5	17.5	90	4	4	11.0	20.0	62	6	6	6.5	12.0	59	10	3	8.0	13.0	44	3	2	5.0	7.5	25	2	2	3.0	5.0									
20	156	3	4	9.0	14.0	132	4	4	9.5	16.5	113	4	6	12.0	22.0	92	4	6	9.0	16.0	62	7	7	7.0	13.0	57	8	2	4.5	8.5	44	2	4	5.0	8.0	25	3	2	2.5	4.5									
21	156	4	2	9.0	14.0	132	5	4	11.5	20.0	113	5	4	12.5	22.0	92	8	6	9.0	17.0	62	4	7	7.5	13.0	59	2	4	6.5	11.0	44	5	3	4.0	7.5	25	2	2	3.0	4.5									
22	156	4	0	8.5	15.0	134	2	4	11.0	17.5	113	4	4	10.0	16.0	90	6	4	9.0	17.0	60	6	5	7.5	13.5	57	7	2	5.0	9.0	46	10	4	4.0	7.0	25	2	2	3.0	5.0									
23	156	2	2	7.5	12.0	134	2	3	8.5	15.0	113	3	4	7.0	17.0	90	4	4	8.5	15.0	60	6	5	6.5	13.5	57	2	4	6.0	9.0	46	8	9	5.0	8.0	23	1	0	2.5	4.0									

F_{am} = median value of effective antenna noise in db above k1b

D_f = ratio of upper decile to median in db

D_g = 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

103844-10384

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaysia Lat. 1.3N Long. 103.8E

Month February 1963

Frequency (Mc)																																																																															
.013										.051										.160										.495										2.5										5										10										20									
F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}	F _m	D _u	D _f	V _{dm}	L _{dm}																																			
00	160	7	4	8.0	13.0	138	7	7	9.5	16.5	116	8	4	11.0	18.0	95	5	11	7.5	14.0	64	6	6	7.5	14.0	61	4	8	6.0	10.0	44	11	10	5.5	8.0	24	2	0	3.0	4.5																																							
01	160	6	4	8.5	14.0	136	9	4	8.5	13.5	117	7	6	10.0	16.0	95	7	9	7.5	13.5	66	8	6	7.5	12.0	61	6	6	5.0	10.0	38	10	6	7.0	12.0	24	2	0	2.5	4.0																																							
02	160	4	4	9.0	15.5	139	6	7	9.0	14.0	119	4	7	11.0	18.0	97	6	11	7.5	14.0	66	8	6	8.0	14.0	59	8	6	5.0	9.0	34	9	2	4.0	6.0	26	0	0	2.0	4.0																																							
03	161	5	4	8.0	12.5	139	5	8	10.0	16.0	120	3	8	11.0	19.5	98	5	9	7.5	12.0	68	6	8	6.0	13.5	59	6	8	7.0	9.0	34	6	2	4.0	7.0	26	0	0	2.0	3.5																																							
04	162	4	4	9.0	15.5	138	4	8	10.5	17.5	119	3	8	13.0	22.5	97	6	10	7.0	14.0	66	6	8	7.5	13.0	57	8	4	5.0	9.5	34	6	2	4.0	6.0	26	0	0	2.0	3.5																																							
05	161	5	5	11.0	15.0	138	4	9	11.0	19.0	118	4	13	14.0	22.0	93	7	11	11.5	25.0	66	6	8	8.0	14.5	53	8	4	6.0	10.0	34	8	2	3.0	5.0	26	0	0	2.0	4.0																																							
06	160	4	4	10.0	16.0	131	5	7	11.0	18.0	105	7	10	13.0	22.5	83	9	8			60	8	10	10.0	16.0	55	6	6	5.0	7.5	40	4	4	4.5	7.0	26	0	0	2.5	4.0																																							
07	158	4	7	10.5	16.0	127	6	9	10.5	17.0	96	8	11	19.0	28.5	77	11	4			49	5	11	1.0	19.0	49	6	8	7.5	12.0	40	6	6	6.5	10.0	26	2	0	2.5	4.0																																							
08	159	3	9	12.0	18.5	128	6	16	18.0	27.0	99	5	16	13.0	23.0	77	6	10	1.0	3.0	38	6	10	1.0	17.0	41	6	4	10.5	17.0	38	5	8	8.5	14.0	26	0	2	3.0	4.0																																							
09	158	2	8	11.5	17.5	128	4	12	14.5	22.5	98	8	12	16.0	20.0	76					32	3	4	8.0	12.0	35	5	8	11.0	10.5	36	3	7	8.5	13.0	24	2	0	2.5	4.0																																							
10	158	4	8	13.0	21.5	126	6	12	16.0	23.5	96	6	14	13.0	22.0	79					30	4	6	8.0	11.5	31	6	7	9.5	15.0	30	9	5	9.0	12.5	24	3	0	3.0	5.0																																							
11	158	3	8	12.0	19.0	126	7	10	11.5	18.0	94	10	12	14.5	21.5	83	5	18			30	2	4	7.0	10.5	29	4	4	9.5	14.0	30	6	4	8.0	13.0	26	4	0	2.5	4.0																																							
12	160	2	10	11.0	19.5	128	5	10	11.0	18.5	96	9	12	12.0	20.0	81	8	12			28	8	4	6.5	10.5	29	6	4	8.0	12.0	32	6	6	8.0	12.5	26	2	2	2.5	5.0																																							
13	158	4	5	10.0	16.0	128	6	9	9.5	16.0	100	8	10	11.5	20.0	83	11	19	7.5	11.5	28	8	2	6.5	10.0	29	6	4	8.5	14.0	34	4	6	9.0	14.0	26	2	2	3.5	6.0																																							
14	159	5	5	9.5	15.5	130	7	8	11.0	18.0	102	9	8	15.0	23.0	86	2	10			32	4	4	8.0	11.5	35	4	8	8.0	14.0	35	3	5	8.0	12.5	28	2	4	5.0	6.5																																							
15	160	4	5	10.5	18.0	130	8	6	11.0	23.0	108	4	13	11.0	20.0	85	9	8	7.0	15.0	36	6	6	6.0	16.0	39	6	8	8.0	14.5	39	5	1	7.0	12.0	28	4	2	4.0	6.0																																							
16	160	3	6	9.5	14.0	132	4	10	13.0	21.0	106	9	12	13.0	28.5	86	8	11	11.0	19.5	40	8	6	8.0	15.0	44	7	9	9.5	14.0	44	2	4	6.0	9.0	28	6	2	4.5	7.0																																							
17	160	3	7	10.0	17.5	131	8	9	14.0	22.0	107	6	7	10.0	17.0	85	5	5	6.0	10.0	48	6	8	8.0	15.0	51	8	4	5.5	9.0	46	2	4	5.0	8.0	28	4	2	3.5	6.0																																							
18	159	2	7	10.5	18.0	134	6	8	10.5	17.0	112	7	4	9.0	15.0	93	7	7	8.5	16.0	58	6	4	7.5	12.0	59	2	8	6.0	10.0	46	4	4	5.0	9.0	26	4	2	3.5	5.5																																							
19	160	3	7	10.0	15.5	137	4	9	9.0	15.5	117	6	8	11.0	20.0	95	5	7	7.0	12.0	62	4	6	7.5	12.5	59	4	4	5.0	9.5	44	6	2	5.5	9.0	26	4	2	3.5	6.0																																							
20	158	6	4	9.0	14.0	136	7	7	12.5	20.5	118	6	9	11.0	19.5	94	5	8	8.5	16.0	62	4	8	6.5	12.0	59	6	6	5.0	9.0	46	2	4	5.0	8.5	28	2	4	4.0	6.0																																							
21	159	4	5	9.0	15.0	138	6	9			118	4	9	9.0	17.5	95	6	9	7.5	15.0	62	6	8	7.0	11.5	59	4	6	5.0	10.0	48	2	6	5.5	9.0	28	4	2	4.0	5.5																																							
22	159	5	3	7.5	12.5	138	8	7	11.0	19.0	118	8	5	8.0	15.0	93	8	6	7.0	14.0	62	6	6	7.0	13.0	59	6	4	5.0	9.0	48	6	4	5.5	9.0	28	4	2	4.0	5.5																																							
23	160	5	4	7.0	12.0	137	9	7	9.0	15.5	120	6	11	9.0	16.0	95	6	7	9.0	17.0	64	6	6	7.0	12.5	61	4	8	5.0	9.0	50	6	8	6.0	9.0	26	2	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_f = 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

USCNR-42-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month November 19 62

Hour (LST)	Frequency (Mc)															
	0.13				0.51				1.60				4.95			
	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	
	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	
00	148	4	4			126					103	7	8			
01	148	6	6			123					99	12	4			
02	150	4	8			121					99	14	8			
03	148	6	8			126					99	11	10			
04	148	8	10			126					98	13	7			
05	148	5	5			126					95	12	8			
06	146	6	3			122					89	20	2			
07	146	6	8			119					89					
08	144	6	8			119					88					
09	144	6	8			116					88					
10	144	6	4			117					81					
11	144	8	4			116					87					
12	144	9	7			116					87					
13	146	8	10			116					89					
14	145	6	6			118					80					
15	144	10	7			118					87					
16	144	6	7			119					89					
17	144	6	8			120					91	12	4			
18	147	5	6			122					95	10	7			
19	147	3	10			124					97	8	8			
20	148	7	7			126					99	8	7			
21	148	4	8			125					99	8	8			
22	149	3	6			124	8	8			99	9	8			
23	148	4	4			124					101	6	10			

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

D_u = ratio of upper decile to median in db

D_z = 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

62

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month December 19 62

Hour (LST)	Frequency (Mc)											
	.013				.051				.160			
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u
00	148 6 8					99	10 6				85	6 8
01	148 6 10					99	12 6				81	12 4
02	149 5 9					99	10 8				81	12 6
03	148 6 8					95	12 6				78	11 5
04	148 6 8					97	10 6				77	12 4
05	148 8 10					93	10 6				74	14 5
06	148 4 12					90	13 3				72	13 3
07	146 4 8					*89					*73	
08	146 2 6					*87					*89	
09	144 6 4					*89						
10	144 4 4					*89						
11	144 5 6					*89						
12	144 6 6					*93					*69	
13	144 6 8					*93						
14	144 4 6					*91					*69	
15	142 5 4					*94					*70	
16	142 6 5					*90					*72	
17	142 7 6					93	12 6				73	12 4
18	144 5 4					95	10 6				76	9 7
19	146 4 6					95	9 6				77	10 4
20	144 7 4					95	9 6				81	6 10
21	146 5 6					95	9 4				81	4 6
22	147 5 7					95	10 4				81	6 6
23	148 4 8					98	9 7				81	10 6

F_{am} = median value of effective antenna noise in db above k1b

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

USE FORM 487-1-74

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month January 1963

Hour (LST)	Frequency (Mc)											
	.013				.051				.160			
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du
00	148	6	4			124	10	6			100	9
01	148	6	6			124	8	4			101	10
02	148					124	8	4			102	7
03	148	4	8			124	8	6			99	10
04	148	6	2			123					97	10
05	148	6	4			122					93	
06	148	8	4			118					91	
07	146					120					91	
08	145					116					89	
09	144					115					91	
10	144	10	6			116					87	
11	146	8	6			116					93	
12	146	6	9			116					90	
13	146	8	6			116					92	
14	148	8	8			116					95	
15	144	6	7			114					92	
16	144	5	8			115					87	
17	143	5	8			116					93	
18	144	7	6			119					95	
19	144	8	8			120					99	
20	145	8	8			122	6	10			96	10
21	146	5	6			121	9	7			97	13
22	147	5	6			122	8	10			99	10
23	146	6	6			122	6	8			101	8

Fom = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = 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

12-5084-10-1A

RN-13

Month February 1963

F_{am} = median value of effective ontema noise in db above ktb
 D_{Du} = ratio of upper decile to median in db
 D_L = ratio of median to lower decile in db
 V_{am} = median deviation of overage voltage in db below mean power
 L_{am} = median deviation of overage algorithm in db below mean power

V_{dm} = median deviation of overage voltage in dB below mean power

RN-13

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Winter (Dec. Jan. Feb.) 1962-63

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}
.013	155	4	6	10.5	16.0	155	6	4	10.0	15.5	151	8	4	11.0	16.0	153	8	4	9.5	14.5	155	6	6	11.0	16.5	153	8	4	11.5	17.0
.051	131	8	7	10.0	16.0	129	10	8	10.5	16.0	120	13	12	13.5	19.5	127	8	10	10.0	15.0	127	10	2	11.0	16.5	129	10	6	9.5	15.0
.160	114	8	8	9.0	15.5	110	10	20	11.5	19.0	95	21	17	13.5	20.5	98	18	12	9.0	14.5	108	10	14	9.5	15.0	112	8	8	9.0	15.0
.495	94	8	6	7.5	14.0	84	12	18	11.5	20.0	76	18	10	12.0	19.0	76	20	8	11.5	18.5	90	8	14	7.5	12.5	94	6	4	6.5	12.0
2.5	61	10	6	5.5	10.0	57	12	12	6.0	11.5	35	14	6	4.0	6.0	33	10	4	2.5	4.5	51	12	12	6.0	10.0	59	8	6	5.5	9.5
5	53	4	4	3.5	7.0	53	8	6	4.5	8.5	37	8	6	5.0	7.5	35	8	4	3.5	5.5	53	8	6	4.5	9.0	53	12	4	3.5	7.0
10	38	8	6	2.5	4.5	38	12	8	3.0	5.5	38	4	6	3.0	5.0	40	6	8	3.0	5.5	44	6	8	3.0	5.5	38	6	6	3.0	5.0
20	23	4	1	1.5	3.0	24	3	2	2.0	3.5	26	2	4	2.5	4.0	28	4	4	3.0	5.0	26	4	4	3.0	4.0	22	4	0	2.0	3.5

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

USCNAV-1085-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Season Winter (Dec. Jan. Feb.) 1962-63

TIME BLOCKS (LST)

Frequency (Mc)	0000 - 0400					0400 - 0800					0800 - 1200					1200 - 1600					1600 - 2000					2000 - 2400					
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	
. 013	154	2	4	9.5	15.5	152	4	2	10.0	16.5	148	4	4	9.5	15.0	148	4	4	9.5	14.5	148	4	4	4	10.5	16.5	152	2	4	11.0	16.5
. 051	124	8	4	4.0	7.5	122	8	4	3.5	7.0	112	8	10	3.0	6.0	112	8	8	3.0	6.5	120	6	8	8	3.0	7.0	124	4	8	4.5	8.0
. 160	96	14	6	8.0	14.5	86	12	12	7.0	11.0	76	10	6	2.5	4.5	76	12	14	6.5	11.0	88	14	10	10	6.5	11.5	96	10	8	8.0	13.5
. 495	79	12	6	6.0	11.0	67	12	6	4.0	7.0	65	2	6	2.0	4.5	63	4	12	2.0	4.0	71	12	8	4	7.5	79	12	4	5.5	10.5	
2.5	54	6	6	3.0	5.5	52	8	6	2.5	5.0	48	4	8	2.0	3.5	48	8	6	2.0	4.0	50	6	6	6	2.0	4.0	54	6	6	3.0	5.5
5	51	6	4	4.0	7.0	49	6	6	3.5	6.5	39	4	6	2.0	4.0	39	4	6	2.0	4.5	49	6	6	6	3.0	6.0	51	6	6	4.0	7.0
10	37	12	6	2.0	4.5	39	6	5	3.0	5.0	37	4	6	3.0	5.0	41	4	8	3.5	6.0	41	8	8	8	2.5	5.0	33	14	4	2.0	4.0
20	22	2	0	1.5	3.0	24	2	2	1.5	3.0	26	5	2	2.0	4.0	26	6	2	3.0	5.0	24	0	2	2	1.5	3.5	22	2	0	1.5	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCNAV-NBS-94

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0S Long. 120.0W Season Spring (Sept. Oct. Nov.) 1962

TIME BLOCKS (LST)

Frequency (Mc)	0000 - 0400				0400 - 0800				0800 - 1200				1200 - 1600				1600 - 2000				2000 - 2400			
	F _{am}	D _u	D _ℓ	V _{d_{dm}}	F _{am}	D _u	D _ℓ	V _{d_{dm}}	F _{am}	D _u	D _ℓ	V _{d_{dm}}	F _{am}	D _u	D _ℓ	V _{d_{dm}}	F _{am}	D _u	D _ℓ	V _{d_{dm}}	F _{am}	D _u	D _ℓ	V _{d_{dm}}
.051	109	6	6		108	7	5		108	6	6		108	6	7		109	7	6		109	7	6	
.113	90	7	6		92	6	6		91	6	6		91	6	6		92	7	6		91	6	7	
.246	67	3	3		67	7	4		67	5	3		66	5	3		68	3	2		66	3	3	
.545	53	8	3		53	10	3		52	11	3		52	6	3		52	7	2		51	8	3	
2.5	19	12	2		20	6	3		20	9	3		19	4	2		20	8	3		20	6	3	
5	22	13	9		18	12	4		16	6	4		21	6	7		25	10	9		27	10	12	
10	23	6	10		18	8	7		20	5	8		22	4	4		26	6	7		25	5	9	
20	23	2	2		22	2	3		22	2	2		23	2	1		24	2	2		23	1	3	

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

D_{11} = 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 or October data for D_u and D_ℓ .

This sheet is a correction for corresponding sheet appearing in
Tech Note 18-16 for Γ_{am} - 20 Mc

(ISC)MM- NIS-PL.

RN-14

Station Cook, Australia Lat. 30.6S Long. 130.4E Season Summer (Dec. Jan. Feb.) 1962-63

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

D_0 = ratio of median to lower decile in db

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

10-564-MW-05

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 52.5-67.5 W Season Summer Dec Jan xxx) 19 62-63

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}					
* *	152	4	7	115	175	150	4	4	115	180	150	4	6	100	155	154	4	4	75	125	152	4	7	80	135	150	5	5	85	160					
* *	123	8	8	80	135	113	8	10	105	155	112	7	12	95	155	117	5	6	65	110	111	8	5	70	120	119	9	7	80	130					
* *	87	12	15	65	110	72	11	6	125	165	73	11	8	115	150	73	17	7	70	115	72	10	13	95	120	83	19	10	70	110					
* *	74	10	18	50	80	68	10	12	65	110	66	10	8	40	60	62	12	6	30	50	62	10	6	30	45	72	11	10	50	80					
2.5	62	10	8	40	65	46	14	14	45	75	38	12	6	45	70	38	14	8	40	65	48	4	18	50	75	58	8	8	35	65					
5	58	6	4	45	75	43	10	9	50	75	36	4	4	55	80	36	4	4	60	80	40	10	8	45	70	58	6	5	40	60					
10	45	6	12	40	60	39	11	10	60	90	33	3	5	35	50	33	6	6	25	45	39	6	6	35	55	45	6	4	30	55					
20	29	6	4	30	40	31	10	6	40	50	29	8	3	30	45	29	6	2	25	40	29	6	2	20	35	31	10	6	30	40					

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

* * No December data

* * * No February data

Correction for Spring 1962 Lat. 40-50 S Long. 67.5-82.5 W for F_{am}, 0000-0400 for 10 Mc should be 48, and 1200-1600 for .160 should be 80

USCNAV NBS-9L

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 37.5-52.5W Season Summer *** Feb) 19 62-63

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
	F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}	
.013	148	4	8	11.0	17.0		146	4	8	11.5	18.5		146	4	6	9.0	13.0		150	4	4	8.0	13.0		152	2	6	8.5	13.5		150	4	6	9.5	13.5	
.051	120	8	6	8.0	13.0		110	10	9	9.5	14.0		102	8	6	7.5	11.0		112	8	16	9.0	13.5		114	4	8	6.0	11.0		122	6	6	7.5	12.5	
.160	91	14	8	9.0	16.0		77	10	14	7.5	11.5		67	10	4	7.0	8.5		69	12	6	5.0	7.0		73	4	8	4.0	6.0		93	8	14	6.5	12.0	
.495	78	6	4	7.5	14.5		83	21	30	4.5	9.0		60	6	6	3.0	5.5		60	8	6	2.0	4.0		68	4	10	3.0	5.5		80	4	8	6.0	11.0	
2.5	58	8	4	4.5	6.5		50	10	23	4.5	10.5		32	20	8	4.5	7.5		32	22	8	3.5	5.0		50	6	22	3.5	5.5		60	6	8	3.5	7.0	
5	61	4	6	3.0	5.0		59	10	14	5.5	9.0		39	4	8	4.5	7.0		33	10	4	5.5	8.0		49	8	10	3.0	5.5		61	4	6	3.0	6.0	
10	44	6	6	3.0	5.0		40	19	6	3.0	4.0		32	4	2	3.0	5.0		32	4	4	2.0	4.0		41	5	7	3.0	5.0		44	6	6	3.0	5.0	
20	30	2	4	2.0	3.0		30	9	2	2.0	3.5		28	2	0	2.0	3.5		28	4	0	2.0	4.0		28	2	0	1.5	3.0		28	4	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

* * * No December or January data

USCNAV NBS-RL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 67.5-82.5 W Season Summer (Dec Jan Feb) 1962-63

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	>0	4	9.5	16.0	148	2	9	10.0	14.5	148	3	10	10.0	15.0	152	4	2	8.5	13.0	150	6	4	9.0	15.0	150	6	2	10.0	16.0					
.051	122	12	4	10.5	16.0	112	7	11	11.5	16.5	114	8	11	9.5	15.0	122	4	8	7.0	12.5	116	9	12	8.0	12.0	124	12	4	9.0	15.0					
.160	87	10	20	8.0	14.0	72	16	9			76	7	5	9.5	13.5	81	10	10	8.5	15.5	77	12	14			87	16	20	9.0	15.0					
.495	773	>22	>11	3.5	6.5	64	4	12	7.5	10.0	62	8	6	2.5	4.5	64	10	5	2.5	4.5	62	>11	5	2.0	4.0	76	22	6	4.5	8.0					
***	66	7	10	5.0	8.5	44	5	7	4.5	8.0	29					33					49	9	8	4.0	7.0	62	4	13	5.0	8.5					
***	54	13	6	4.0	8.5	40	9	6	5.0	8.5	28					34					44	8	6	4.5	7.0	52	7	4	4.5	7.5					
***	41	6	6	3.0	7.0	37	9	5	4.5	8.5	33	4	4	4.0	7.0	33	6	2	3.0	6.0	40	5	7	3.5	6.0	40	17	6	3.5	7.0					
***	27	2	0	2.5	4.0	29	9	2	2.5	4.5	33	7	6	3.0	6.0	31	10	4	3.0	6.0	29	4	2	2.5	5.0	29	8	2	2.0	4.0					

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

* * No January data

* * * No January or February data for log and voltage

USCNAV-RES-81

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 52.5-67.5 W Season Summer (Dec Jan Feb) 1962-63

Frequency (Mc)	TIME BLOCKS (LST)											
	0000-0400			0400-0800			0800-1200			1200-1600		
	F _{am}	D _u	V _{dm}	F _{am}	D _u	V _{dm}	F _{am}	D _u	V _{dm}	F _{am}	D _u	V _{dm}
.013	150	6	10.0	148	5	9	148	6	9	154	6	8.5
.051	124	7	10.0	112	10	8	112	8	8	120	6	8.0
.160	92	17	16	76	9	11	75	9	8	84	7	15
.495	76	12	12	66	14	10	64	8	7	64	14	7
**	63	11	8	47	14	16	31	16	4	32	16	5
* *	56	8	6	42	16	12	32	4	6	32	11	6
**	43	8	6	39	12	10	31	6	6	33	6	6
* *	29	6	2	29	8	4	29	7	2	29	6	2

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

* * No February data for log and voltage

USCNAV-100-10

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 37.5-52.5 W Season Summer (*** Feb) 1962-63

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}					
.013	150	6	4	11.5	18.5		150	>4		8	12.0	18.5		148	>6		2	11.5	17.0	150	>5		6	10.0	16.0	150	2	8	9.5	15.5					
.051	130	4	2	9.0	15.5		120	10		4	10.0	16.0		114	6		6	10.0	16.0	120	3		7	9.0	14.5	120	2	8	9.0	14.0					
.160	105	6	4	7.5	14.5		85	18		19	8.0	15.0		77	10		9	7.0	10.5	77	21		6	6.0	10.0	77	4	9	6.5	12.0					
.495	86	5	6	6.5	12.5		75	9		12	3.5	8.0		66	3		7	1.5	3.0	64	16		3	3.0	6.0	64	4	5	4.0	7.5					
.25	64	2	6	4.0	6.5		54	12		20	6.5	9.0		39	8		14	3.0	5.0	42	4		1.5	3.5	5.5	46	4	6	3.5	6.0					
5	65	2	8	3.0	5.5		57	12		14	5.0	8.0		35	6		7	6.0	8.5	37	4		6	5.0	7.0	47	10	6	3.5	6.0					
10	46	6	4	3.0	6.0		44	12		8	6.0	9.0		34	4		4	4.0	5.0	44	2		6	3.0	5.0	46	2	2	3.5	5.5					
20	30	2	2	2.5	3.5		30	9		2	2.0	3.0		30	2		2	2.0	3.0	30	1		2	2.0	3.0	30	0	2	2.0	4.0					

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

** No December or January data

USCNAV-1085-R

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enköping, Sweden Lat. 59.5 N Long. 17.3 E Season Winter (Dec Jan Feb) 19 62-63

TIME BLOCKS (LST)

Frequency (Mc)	0000 - 0400				0400 - 0800				0800 - 1200				1200 - 1600				1600 - 2000				2000 - 2400											
	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}		
.013	152	2	2	10.5	16.5	152	2	2	11.0	18.0	146	6	4	12.5	19.0	146	4	2	10.0	15.5		150	2	2	6	8.0	13.0	152	2	2	8.0	13.5
.051	117	4	4	8.5	14.0	115	6	6	10.5	16.5	103	8	10	12.5	16.5	99	12	8	12.0	16.5		111	6	6	8	9.5	15.0	117	4	6	8.5	14.5
.160	98	7	5	5.0	9.0	99	6	10	4.0	8.0	89	6	6	4.0	7.5	89	8	4	5.5	9.0		95	8	6	3.5	7.0	99	6	6	4.5	8.5	
.495	74	14	8	3.0	5.5	66	15	8	2.5	5.0	62	8	8	2.0	3.5	62	16	8	2.0	3.5		74	16	10	2.0	4.0	74	18	7	3.0	5.0	
2.5	55	6	6	4.0	7.5	51	8	5	3.5	7.0	36	13	7	3.5	6.5	33	10	6	3.0	5.5		51	9	8	4.5	8.0	55	8	6	4.0	8.0	
5	49	6	4	4.0	7.5	49	4	6	4.0	7.5	37	12	10	4.0	6.5	35	10	10	3.0	5.0		49	6	6	3.0	6.0	55	6	6	3.5	6.5	
10	31	8	2	2.0	4.5	31	8	2	2.0	4.0	43	8	10	4.0	7.0	47	12	10	6.0	10.5		39	22	9	4.0	7.0	31	8	2	2.0	4.5	
20	20	2	6	1.0	2.5	20	2	6	1.0	2.5	20	6	4	2.0	4.0	20	4	4	1.5	3.0		18	3	4	1.0	2.5	18	2	4	1.0	2.5	

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

USCNAV 445-11

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Winter (Dec Jan Feb) 19 62-63

TIME BLOCKS (LST)																														
Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}					
.135-	98	10	7			91	17	2			84	9	4			84	8	4			89	11	6			98	9	7		
.500	76	13	6			65	16	10			54	7	4			54	6	2			62	14	9			75	10	6		
2.5-	56	9	7			51	12	7			32	7	5			31	4	4			48	11	13			56	7	7		
5-	48	7	5			46	8	5			34	7	6			32	4	6			46	7	7			48	7	5		
10	29	2	2			29	4	1			30	3	2			30	5	2			33	6	3			29	3	1		
20	21	1	1			22	1	1			22	1	1			22	2	1			22	1	1			21	1	1		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-RL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Fall (Sept Oct Nov) 19 59

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400			0400-0800			0800-1200			1200-1600			1600-2000			2000-2400		
	F _{am}	D _u	D _l	F _{am}	D _u	D _l	F _{am}	D _u	D _l	F _{am}	D _u	D _l	F _{am}	D _u	D _l	F _{am}	D _u	D _l
.05-1	133	6	9.0	127	8	14	121	14	12	125	205	135	12	10	8	137	6	8
.1-3	121	6	8.5	113	8	12	105	14	8	8.5	130	122	12	15	10	125	6	10
.2-46	102	6	8.0	90	14	16	80	19	16	9.5	165	104	16	22	11	110	15	18
.5-45	87	8	7.5	75	18	16	67	18	12	8.5	170	93	14	24	9.5	91	6	8
2.5	55	14	6	49	16	16	35	12	6	6.5	90	49	16	16	7.5	63	10	10
5	56	4	10	50	8	14	32	12	8	7.5	150	42	12	14	7.5	58	6	10
10	43	5	10	39	6	10	31	8	9	8.0	130	39	6	12	5.5	45	6	10
20	28	8	4	28	8	4	28	8	4	4.0	70	32	6	4	3.5	28	10	2

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7, 4 N Long. 3, 9 E Season Winter (Dec Jan Feb) 19 59-60

TIME BLOCKS (LST)

Frequency (Mc)	0000 - 0400					0400 - 0800					0800 - 1200					1200 - 1600					1600 - 2000					2000 - 2400					
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	
** .051	128	10	15	8.5	15.5	122	16	12	13.0	21.0	116	23	10	13.0	21.0	120	18	9	10.5	18.0		124	20	14	9.5	17.0	124	16	12	8.0	15.0
** .113	116	10	14	9.0	15.5	108	18	12	13.0	19.0	104	22	10	11.0	17.5	106	19	14	11.5	19.5		114	16	19	9.0	16.0	114	14	16	7.5	14.0
** .246	97	12	13	7.5	15.0	89	18	16	11.5	21.0	81	24	12	13.5	24.0	88	20	17	11.0	19.5		92	23	19	10.0	18.0	97	14	16	6.5	13.5
** .545	82	12	10	6.5	12.5	72	17	16	10.0	20.0	64	22	14	13.0	21.0	72	16	20	10.5	19.5		78	19	22	7.5	14.5	82	14	12	6.5	12.5
*** 2.5	50	12	14	6.0	11.0	44	14	18	7.0	12.0	28	12	8	9.0	14.0	32	17	10	6.0	9.5		46	16	24	5.5	10.0	50	12	16	5.5	10.5
*** 5	49	8	14	4.5	9.0	45	12	14	5.5	10.0	29	10	8	8.0	14.0	31	13	10	4.5	9.0		47	12	20	4.5	8.0	51	8	18	4.5	9.5
*** 10	37	6	12	5.0	9.5	33	8	10	6.0	10.0	25	8	11	6.0	10.0	29	8	12	6.5	11.0		35	10	13	4.0	7.0	37	6	12	4.0	8.0
*** 20	28	3	4	2.0	5.0	26	6	2	1.5	3.5	24	6	2	3.0	5.0	28	4	4	3.0	6.0		28	7	6	2.0	5.0	26	6	4	2.0	5.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

* * No February data

** * No February data for log and voltage

USCNAV-NET-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Spring (Mar Apr May) 19 60

TIME BLOCKS (LST)																																			
0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
Frequency (Mc)	F _{am}		D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}		D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}		D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}		D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}		D _u	D _ℓ	V _{d_m}	L _{d_m}					
**	0.5	142	10	6			134	8	19	120	210	140	10	15	100	170	148	8	12	75	135	146	8	16	65	125									
**		129	10	8			121	8	19	130	240	127	10	15	110	180	134	9	13	70	135	129	13	8	70	140									
**	2.4	113	11	12			98	12	17	125	220	109	14	24	125	210	117	12	18	80	145	113	14	14	215	100									
**		98	9	12			74	14	14	120	235	88	21	32	120	220	98	17	24	70	135	92	21	23	50	110									
***	5.45	61	10	18	45	80	51	16	6	80	130	35	25	10	110	145	41	26	14	90	150	63	10	20	70	85									
**		57	6	12	50	90	51	10	18	65	110	31	14	8	110	160	39	16	12	100	140	55	8	20	45	85									
***	10	42	6	15	50	90	38	8	14	55	90	32	8	9	100	150	38	8	8	75	110	44	6	18	45	85									
**		28	5	4	25	70	26	6	2	25	45	26	6	4	40	70	32	4	6	40	75	34	10	8	45	80	50								

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_{d_m} = median deviation of average voltage in db below mean power

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

** No March or May data for log and voltage

** No March data for log and voltage

USCNAV NBS-5L

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Summer(*** July ***) 19 60

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400				0400-0800				0800-1200				1200-1600				1600-2000				2000-2400			
	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}
* * 2.5	52	8	10																					
* * 5	27	8	12		42	16	12		27				32	17	6		58	8	19		54	12	14	
* * 10	33	6	14		45	10	11		28				34	11	12		54	8	10		50	12	10	
* * 20	25	0	4		33	5	16		24				33	6	9		45	4	5		35	8	10	
					25	5	3		24				31	6	4		31	4	4		25	4	2	

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

* * Only 13 day's data for July

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0N Long. 159.7W Season Winter (Dec. Jan Feb.) 1962-63

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}
.013	153	4	4	11.5	17.5	153	4	4	11.0	17.5	149	6	4	13.5	20.0	151	4	6	15.5	23.0	149	6	4	14.0	21.0	153	4	4	11.0	17.5
.051	131	6	4	11.0	17.5	131	4	6	11.5	19.0	115	12	12	15.0	22.0	115	12	12	15.5	23.0	117	14	14	14.5	21.0	127	8	8	13.0	19.5
.160	109	6	6	10.0	17.5	103	10	14	11.0	18.5	87	14	16	13.0	20.5	87	16	16	13.0	21.5	91	18	14	13.5	22.0	105	10	12	12.0	20.5
.495	87	12	6	10.5	18.5	83	12	20	10.5	18.0	57	24	6	7.0	11.0	57	27	6	6.0	10.0	71	22	16	10.0	16.0	87	12	10	11.5	20.5
2.5	62	8	6	7.5	13.0	62	8	6	8.0	13.0	38	12	10	5.0	8.0	32	10	6	3.0	5.0	48	14	18	7.0	12.0	60	8	8	8.5	15.0
5	56	6	6	5.0	9.0	52	8	4	6.5	10.5	34	16	12	7.0	10.5	26	16	6	6.0	10.5	46	10	14	8.0	13.0	52	6	6	7.0	12.0
10	36	6	4	4.0	6.0	32	6	2	3.0	5.0	36	6	10	7.5	11.5	32	10	10	7.5	11.5	38	6	6	6.0	10.0	38	6	4	5.0	7.5
20	22	0	2	2.0	3.5	22	2	2	1.5	3.5	22	4	2	3.0	5.0	22	4	2	3.5	5.5	22	2	2	2.0	4.0	22	0	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

* * No December data for log and voltage.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Fall (Sept Oct Nov) 19 62

TIME BLOCKS (LST)																																			
0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
Frequency (Mc)	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}					
** .013	154	2	5	85	135	152	4	4	105	150	148	5	4	120	175	152	4	5	110	165	153	7	4	85	130	154	4	5	75	110					
** .051	132	6	6	95	145	126	8	8	110	160	118	10	8	135	205	124	16	14	110	170	124	14	10	105	170	130	8	6	85	135					
** 160	112	4	10	95	145	102	12	16	115	165	92	20	8	105	160	96	26	10	95	160	106	14	14	95	155	112	8	8	80	130					
** .495	89	10	8	80	130	79	16	10	65	95	73	18	6	35	55	73	30	4	65	120	85	16	12	70	125	89	12	10	80	120					
** 2.5	60	10	8	55	80	54	12	8	65	95	46	6	6	30	50	48	12	6	55	80	56	12	10	45	80	60	10	8	60	90					
** 5	55	4	6	40	60	49	6	6	40	65	39	9	8	60	80	39	12	8	60	85	51	10	9	55	80	53	6	6	50	70					
** 10	40	6	6	30	55	40	5	6	30	50	38	6	6	35	55	40	6	8	35	60	46	6	6	45	65	42	6	6	45	65					
** 20	25	4	2	25	30	25	4	2	20	40	25	4	2	20	35	29	4	4	30	50	27	6	2	35	45	25	4	2	15	30					

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 for log and voltage

* * * No October or November data for log and voltage

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Winter (Dec Jan Feb) 19 62-63

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
	F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}	
.013	154	2	2	6.5	9.0		154	2	4	7.0	9.5		150	2	4	7.0	9.0		150	4	4	7.0	9.0		152	4	2	6.0	8.0		154	4	2	6.0	8.5	
.051	128	6	4	9.0	12.0		126	4	8	8.5	11.5		114	7	6	5.0	7.5		120	10	8	6.0	9.0		120	10	4	6.0	9.0		128	4	4	7.5	10.5	
.160	104	9	5	8.5	12.5		99	10	10	9.0	12.5		90	13	11	10.0	14.5		89	12	11	7.5	11.5		101	12	12	8.5	13.0		108	7	9	7.5	12.0	
.495	81	12	8	6.5	9.5		75	10	10	5.5	7.0		67	11	6	4.0	5.0		67	6	6	3.0	4.5		75	18	8	5.5	8.0		81	12	6	6.0	9.0	
2.5	57	8	6	5.5	8.0		55	9	6	4.5	7.0		45	4	6	3.0	4.5		43	6	4	3.0	4.5		52	14	8	5.0	7.5		55	12	4	5.0	7.5	
5	53	6	6	4.5	7.0		49	8	6	3.5	5.5		37	9	8	3.0	4.5		35	6	6	6.0	7.0		49	10	8	4.5	7.5		51	6	4	5.0	7.5	
10	35	4	6	3.0	4.5		33	6	4	2.0	3.5		35	6	6	3.5	4.0		37	8	8	6.0	8.5		41	6	6	4.5	7.0		37	6	6	4.0	6.0	
20	25	4	2	2.0	3.0		27	2	4	2.0	3.0		27	2	4	2.5	4.0		27	4	4	3.5	4.5		25	4	2	2.0	3.5		25	4	2	2.0	3.0	

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Winter (Dec Jan Feb) 1962-63

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	
.013	149	6	2	85	130		149	4	4	90	130		149	4	4	95	140		149	6	2	85	125		151	4	4	85	130		151	4	4	85	130	
.051	127	8	4	110	180		125	6	14	125	185		109	18	6	135	180		111	14	6	110	150		127	6	4	100	160		127	6	4	100	160	
.160	109	8	6	100	165		101	12	20	125	195		87	20	12	155	220		85	20	10	125	170		107	10	6	105	165		107	10	6	105	165	
.495	87	12	4	95	165		77	16	16	115	180		65	20	8	65	105		65	22	6	85	145		89	9	6	90	145		89	9	6	90	145	
.25	61	8	6	70	110		57	10	10	100	145		41	8	2	75	105		41	8	4	75	105		61	8	6	60	100		61	8	6	60	100	
5	58	14	6	55	100		64	8	10	85	130		42	12	6	70	100		40	14	6	75	115		62	12	10	55	95		62	12	10	55	95	
10	30	4	2	20	40		32	7	4	30	50		34	6	4	45	70		34	8	4	60	85		32	8	4	20	40		32	8	4	20	40	
20	24	0	0	10	25		24	2	0	15	30		26	2	2	20	35		26	2	2	15	35		24	0	2	10	25		24	0	2	10	25	

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

USCDAW-REB-61

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Correction for

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season () 19

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400				0400-0800				0800-1200				1200-1600				1600-2000				2000-2400			
	F _{am}	D _u	D _l	V _{dm} L _{dm}	F _{am}	D _u	D _l	V _{dm} L _{dm}	F _{am}	D _u	D _l	V _{dm} L _{dm}	F _{am}	D _u	D _l	V _{dm} L _{dm}	F _{am}	D _u	D _l	V _{dm} L _{dm}	F _{am}	D _u	D _l	V _{dm} L _{dm}
013	159				156				154				162				166				162			
013	158				157				152				156				158				159			

Winter 1961-62

Summer 1962

It has been found that an error occurred in the 13 kc/s calibration factors from December 1961 through November 1962. The 13 kc/s values of F_{am} given on RN-13 for December 1961 should be increased by 5 db; for January 1962 the values should be increased by 3 db, and for July 1962 the values should be increased by 10 db. Both the month hour values and seasonal values of F_{am} for 13 kc/s for February, March, April, May, June, August, September, October, and November 1962 should be increased by 20 db.

The Winter 1961-62 and Summer 1962 13 kc/s values should be corrected to the above tabulations.

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 Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Fall (Sept ***) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}
.013	160	6	6			156	14	16			152	8	10			156	12	8			158	12	4			158	8	10		
.051	130	8	12			124	8	8			116	10	8			126	8	17			132	10	10			132	8	12		
.160	115	10	6			97	19	14			89	12	11			105	14	21			113	12	26			115	8	8		
.495	89	10	10			68	21	15			61	14	8			68	32	13			86	20	24			91	10	8		
2.5	65	8	12			57	12	14			39	12	6			43	8	10			57	16	14			69	8	16		
5	59	8	12			53	8	11			31	12	6			35	14	14			55	10	14			59	8	12		
10	43	10	17			41	6	17			41	6	13			39	9	15			47	10	9			47	10	16		
20	26	2	4			26	4	4			28	11	4			28	6	6			32	4	4			26	4	4		

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

* * * No October or November data

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RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Winter (Dec. Jan. Feb.) 1962-63

Frequency (Mc)	TIME BLOCKS (LST)											
	0000-0400			0400-0800			0800-1200			1200-1600		
	F _{am}	D _u	V _{dm}	F _{am}	D _u	V _{dm}	F _{am}	D _u	V _{dm}	F _{am}	D _u	V _{dm}
.013	158	6	2	158	4	6	154	6	4	158	4	6
.051	136	6	4	132	8	10	124	6	10	134	6	9
.160	117	6	8	107	14	18	93	10	14	111	8	10
**	92	10	8	82	16	12	76	10	12	88	8	12
.495	64	6	6	58	10	16	30	10	4	56	9	16
2.5	57	6	6	53	6	10	33	8	7	57	6	14
5	38	6	6	36	6	4	32	6	4	46	4	4
10	23	2	4	25	0	4	23	2	2	25	4	2
20												

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

** On January 3, 1963, 545 kc was changed to 495 kc.

USCNAV JAGS-10L

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Season Winter (Dec Jan Feb) 1962-63

[illegible]

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

D_{11} = ratio of upper decile to median in db

D_{ℓ} = ratio of median to lower decile in db

$V_{d,m}$ = median deviation of average voltage in db below mean power

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

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