NBS

Technical Note

No. 18-18

QUARTERLY RADIO NOISE DATA
MARCH, APRIL, MAY, 1963

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

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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* NBS Group, Joint Institute for Laboratory Astrophysics at the University of Colorado.
** Located at Boulder, Colorado.

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MARCH, APRIL, MAY, 1963

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Central Radio Propagation Laboratory
National Bureau of Standards
Boulder, Colorado

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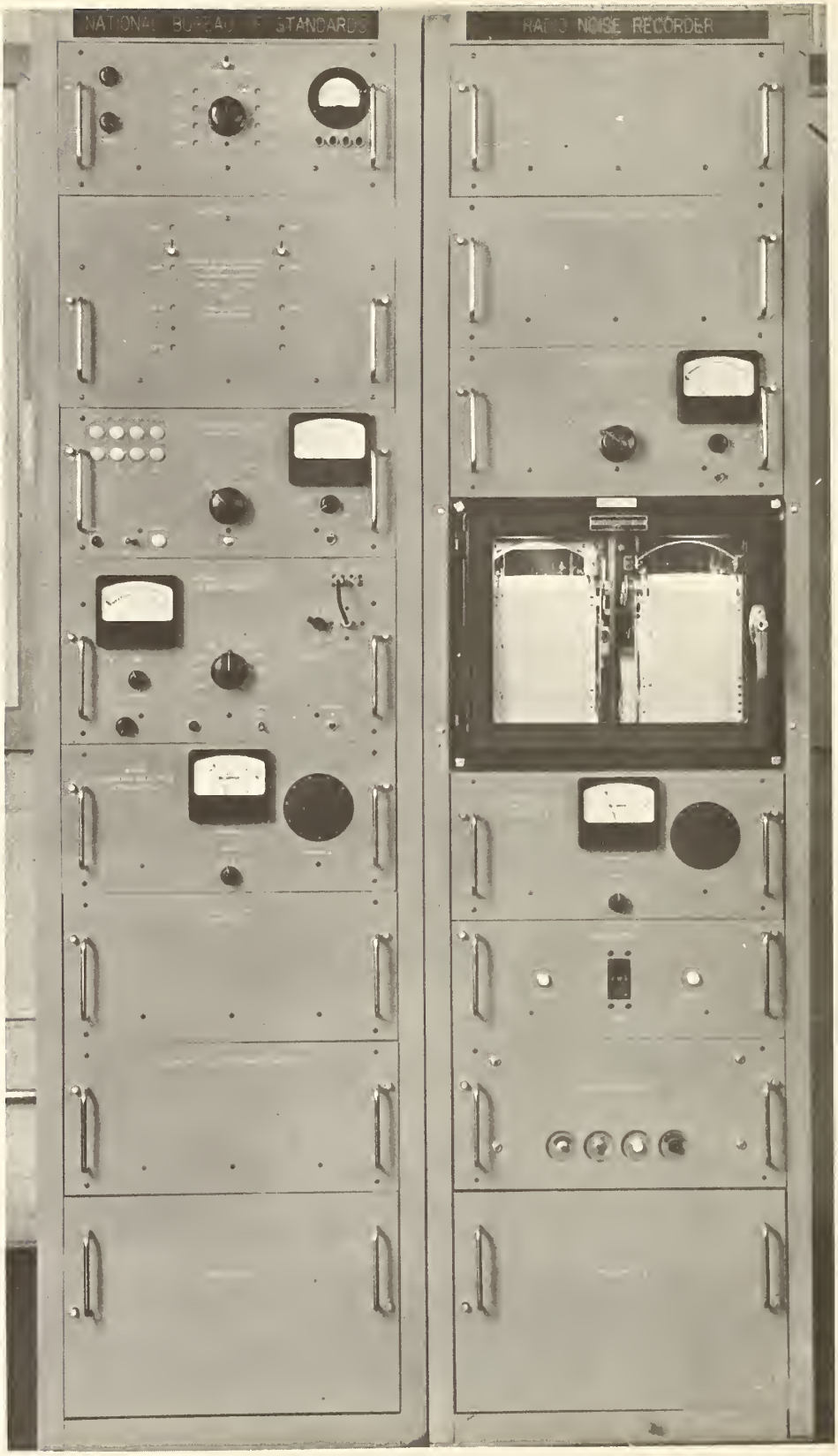
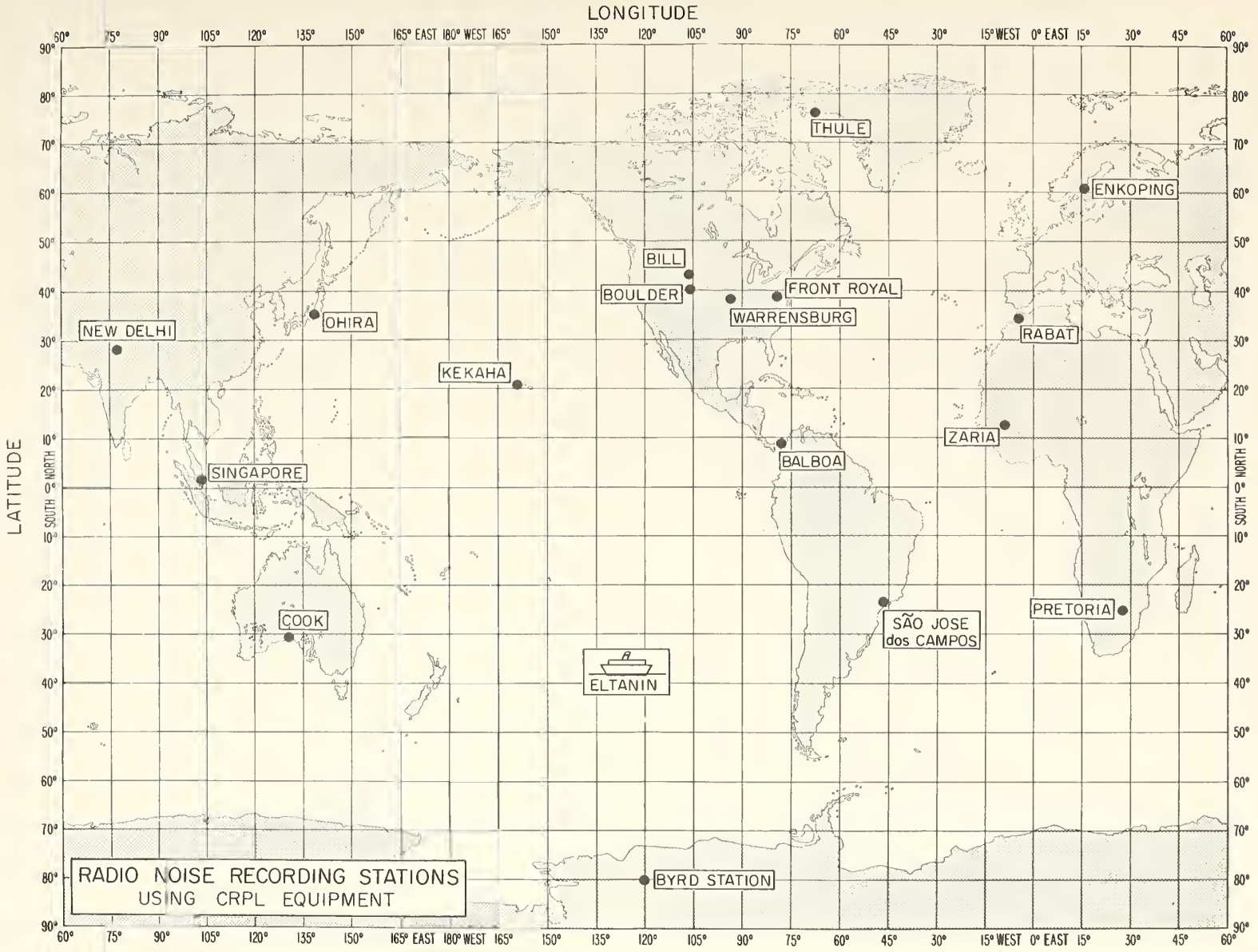
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder


LONGITUDE
LATITUDE
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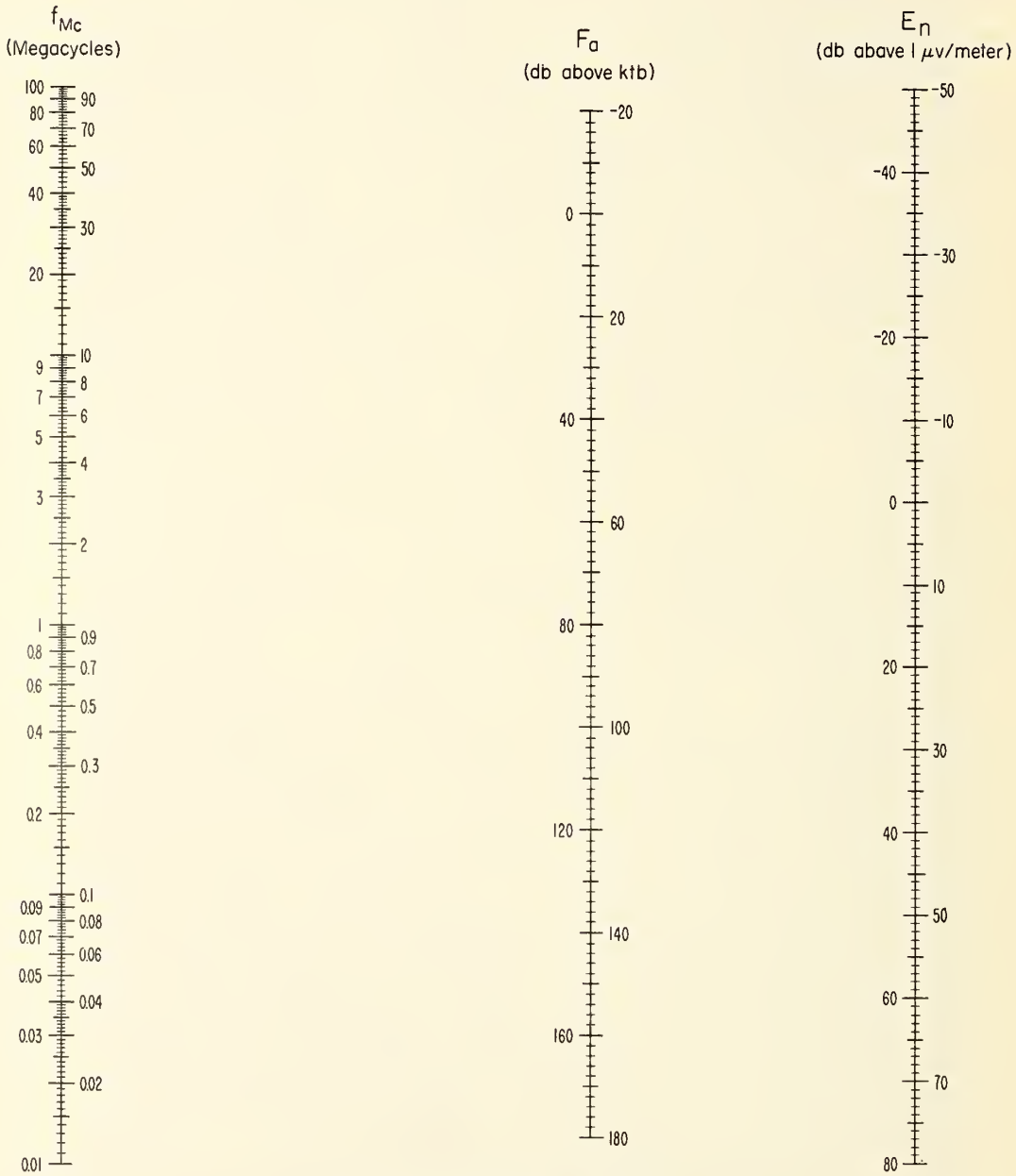
BILL
BOULDER
FRONT ROYAL
WARRENSBURG
RABAT
NEW DELHI
OHIRA
KEKAHA
ZARIA
BALBOA
SINGAPORE
PRETORIA
SÃO JOSE dos CAMPOS
COOK
ELTANIN
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT

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



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

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

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

f_{Mc} = Frequency in Megacycles.

Quarterly Radio Noise Data
March, April, May, 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 March, April, and May 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

$$f_a = p_n/kT_o b = T_a/T_o,$$

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^o 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:

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

where:

E_n = rms noise field strength for bandwidth b in db above 1 μV/m

b = effective receiver noise bandwidth in c/s

$f_{Mc/s}$ = 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 6). 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 des Atividades Espaciais (Brazil) - Saõ 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. Engs., 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, Swtizerland).

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. Engs., 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).

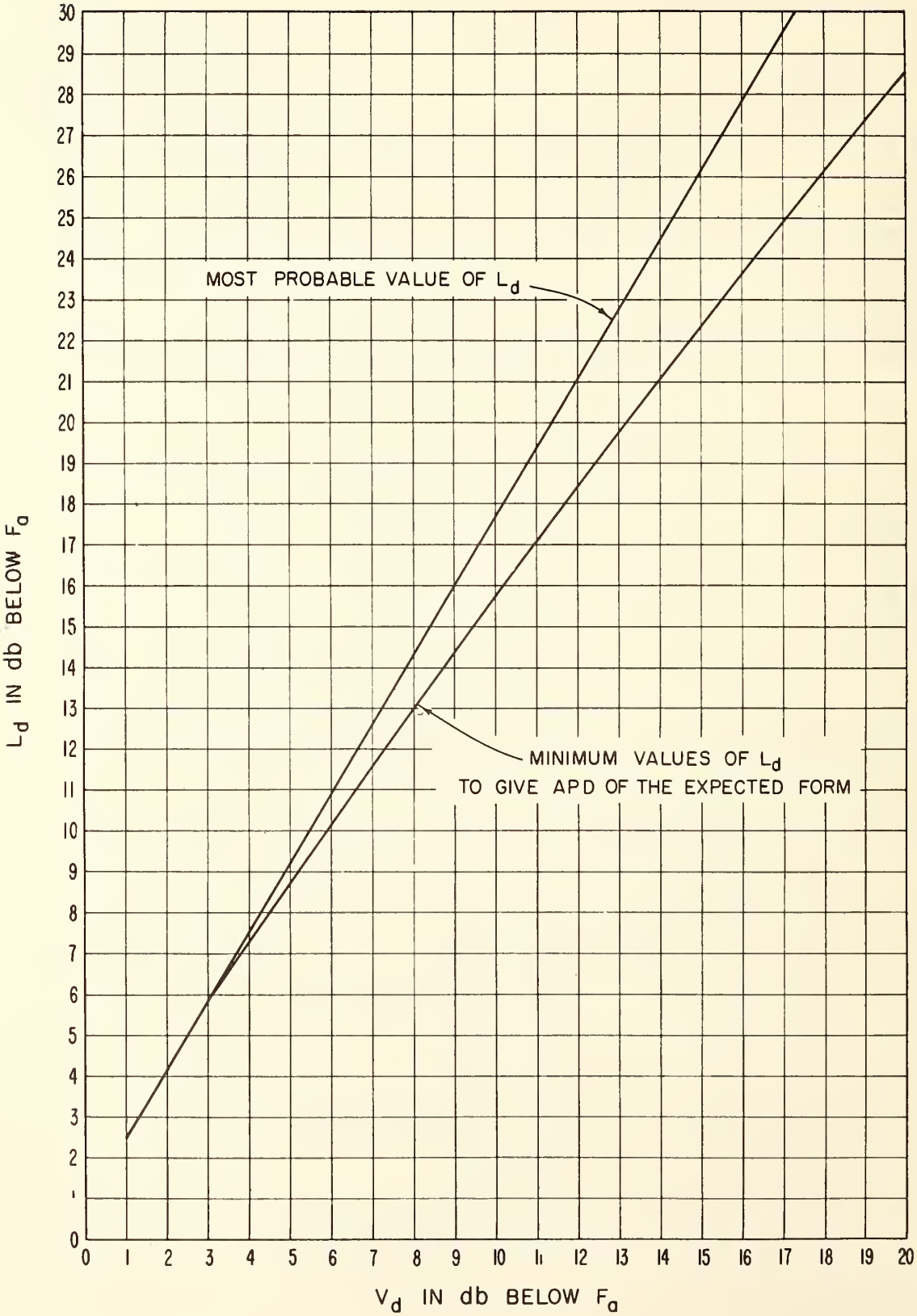
Data included in this report and the standard time for each station are as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	March, April, May 1963	75 W	+05
Bill	March, April, May 1963	105 W	+07
Boulder	March, April, May 1963	105 W	+07
Cook	March, April, May 1963	135 E	-09
USNS Eltanin	March, April, May 1963		
Enköping	March, April, May 1963	15 E	-01
Front Royal	March, April, May 1963	75 W	+05
Ibadan	June, July, August 1961	GMT	0
	September, October, November 1961		
	January, February, March 1962		
Kekaha	March, April, May 1963	150 W	+10
New Delhi	March, April, May 1963	75 E	-05
Ohira	March, April, May 1963	135 E	-09
Pretoria	March, April, May 1963	30 E	-02
Singapore	March, April, May 1963	105 E	-07
Warrensburg	March, April, May 1963	90 W	+06

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
18-17 December, January, February 1962-63

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 March 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	157	3	4	13.0	17.0	136	5	4	11.0	15.0	117	6	6	8.5	14.0	98	6	4	7.0	11.5	66	7	8	5.5	9.0	55	4	2	4.0	8.5	41	7	6	3.0	5.0	27	4	4	1.0	3.0
01	157	5	4	11.5	16.5	138	4	6	11.0	15.5	117	6	5	9.0	14.0	100	6	7	7.5	12.0	68	6	10	5.5	10.0	55	6	0	*5.0	*9.0	43	8	4	2.0	4.5	27	2	4	*2.0	*3.0
02	159	4	4	11.5	16.5	138	6	3	11.0	16.0	119	6	7	8.5	14.0	100	6	8	7.5	13.0	72	4	10	6.0	11.0	57	4	2	5.0	10.0	41	8	6	*3.0	*6.0	27	2	4	1.0	2.5
03	159	4	4	11.0	16.0	138	6	5	11.0	16.0	119	5	8	9.5	15.0	98	8	4	8.0	14.0	70	7	7	6.0	12.0	55	4	2	4.5	8.0	37	6	4	2.0	4.0	27	2	4	*1.0	*3.0
04	159	5	4	11.5	16.0	138	6	6	10.5	16.0	117	6	6	9.5	16.0	98	6	3	9.5	15.5	72	5	10	5.0	10.0	55	4	3	*4.5	*8.0	35	7	4	1.5	4.0	27	2	4	1.5	2.5
05	159	5	2	11.0	16.0	139	4	5	10.5	16.5	119	2	10	10.0	16.0	98	5	8	9.5	16.0	70	4	7	5.0	9.5	55	3	4	4.5	9.0	33	10	0	*1.5	*2.5	27	4	4	2.5	4.5
06	160	5	3	11.5	16.5	135	7	7	11.0	16.5	113	7	12	*12.0	*18.5	96	6	15	*10.5	*16.5	68	6	10	6.5	13.0	59	8	4	*4.5	*10.0	47	7	5	2.0	5.0	27	3	3	2.5	5.0
07	158	6	4	11.0	15.5	134	5	7	12.5	18.0	115	6	16	*11.5	*18.5	98	6	13	*9.0	*15.0	58	8	5	8.0	13.0	55	3	4	*5.5	*11.0	43	4	4	4.0	7.0	28	1	4	1.5	2.5
08	157	6	2	12.0	17.0	134	7	9	12.5	18.0	113	7	14	12.0	19.0	92	10	9	*9.5	*15.0	58	6	6	*5.5	*9.5	50	5	7	*4.5	*8.0	41	7	5	*4.0	*7.0	29	2	4	2.0	4.0
09	159	4	4	*12.5	*17.0	131	7	11	*14.0	*18.5	108	9	11	13.5	9.0	88	10	12	*12.0	*17.5	46	8	4	4.0	7.5	43	6	6	5.5	8.5	41	6	6	2.5	6.5	29	2	6	2.0	3.5
10	159	4	8	12.5	17.0	129	7	11	*16.5	*19.5	108	7	12	14.0	20.0	88	9	16	*12.0	*17.0	44	10	5	3.0	4.5	39	8	6	*6.0	*9.0	38	5	5	5.0	7.0	29	7	5	3.5	7.5
11	157	6	4	12.5	17.5	127	10	5	14.0	19.0	105	10	10	15.0	20.0	81	14	11	*13.5	*17.0	42	7	8	2.0	3.5	37	7	4	*4.0	*5.0	37	5	6	*4.0	*7.0	29	5	5	3.0	4.5
12	159	4	4	12.0	16.0	129	7	5	*12.5	*18.0	103	12	10	*14.0	*18.0	82	10	8	*10.5	*13.0	40	6	6	2.0	3.5	35	9	2	2.5	4.0	37	4	5	4.0	7.0	29	4	4	3.5	5.5
13	159	5	2	11.0	15.0	130	8	4	12.0	17.5	105	10	8	11.5	16.0	86	8	10	10.5	16.0	40	8	6	3.0	5.5	37	7	4	4.5	6.0	39	4	6	5.0	8.0	29	4	2	4.0	6.5
14	161	4	4	11.5	16.5	133	5	7	12.0	16.0	107	8	6	11.5	15.5	88	11	10	10.0	15.0	40	10	6	*2.0	*4.5	39	6	4	*5.0	*7.5	41	5	4	4.5	7.5	31	3	7	4.0	6.0
15	161	4	3	11.0	15.0	136	5	8	11.5	16.0	107	9	6	11.0	16.0	90	10	11	10.5	16.5	44	9	6	4.0	7.5	43	6	4	5.0	8.5	43	7	4	4.5	7.0	33	6	3	*4.0	*5.5
16	161	4	5	9.0	14.0	136	4	7	11.0	16.0	109	10	7	11.0	16.5	90	10	10	11.0	16.0	46	9	10	5.0	7.0	49	5	5	4.5	7.0	51	10	9	2.5	5.0	33	8	4	4.5	6.5
17	161	2	5	11.0	15.0	134	5	6	11.0	16.0	109	7	6	12.0	17.0	90	9	7	11.0	16.0	52	3	8	6.0	9.5	56	5	4	*5.5	*8.5	49	10	6	3.0	4.0	33	18	5	4.0	6.0
18	159	3	5	12.0	16.0	134	5	5	11.0	16.0	111	6	5	9.0	14.0	98	3	6	7.0	10.5	58	6	4	*7.0	*10.0	61	5	5	*6.0	*9.0	48	9	4	*3.5	*6.0	29	6	4	*2.5	*4.0
19	159	2	6	12.0	16.0	137	3	7	10.5	15.0	117	4	6	7.0	12.0	98	5	4	7.0	11.0	66	6	4	6.5	10.0	63	6	7	*7.5	*10.0	47	8	8	3.5	6.0	27	4	4	2.5	3.5
20	157	5	4	12.5	17.0	136	4	4	10.5	15.5	115	6	4	9.0	14.0	98	4	4	8.0	12.0	66	7	4	6.0	9.5	67	3	10	*4.0	*6.5	43	10	5	5.0	7.5	27	2	4	2.0	3.0
21	157	4	3	12.5	17.0	136	4	5	12.0	16.0	117	4	6	9.0	14.5	100	2	6	8.0	12.0	64	8	5	6.0	10.0	63	9	8	4.0	7.5	41	12	7	3.5	6.0	27	1	4	2.0	3.0
22	156	5	4	12.5	17.0	136	4	4	12.0	16.0	117	4	4	10.0	15.0	98	4	4	7.5	12.5	66	8	6	5.0	8.0	59	3	8	*4.5	*8.0	39	11	4	4.0	7.0	25	4	2	1.0	2.5
23	157	4	4	12.0	16.5	136	6	2	11.0	16.0	117	4	4	8.0	14.0	98	5	6	8.0	13.0	66	8	8	4.5	9.0	55	10	2	*4.0	*8.0	39	9	5	3.0	6.0	25	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month April 1963

Frequency (Mc)

Hour (LST)	.013 F_{am}	.013 D_u	.013 D_ℓ	.013 V_{dm}	.013 L_{dm}	.051 F_{am}	.051 D_u	.051 D_ℓ	.051 V_{dm}	.051 L_{dm}	.160 F_{am}	.160 D_u	.160 D_ℓ	.160 V_{dm}	.160 L_{dm}
00	158	4	6	*12.0	*17.5	138	2	4	10.0	15.5	118	6	2	7.0	14.0
01	158	6	4	*12.0	*17.5	138	4	6	10.0	16.0	120	4	6	8.0	14.0
02	160	2	6	*12.0	*18.0	138	4	4	*11.5	*17.0	120	6	6	*7.5	*13.5
03	158	4	2	11.0	18.0	138	6	4	*12.0	*17.5	120	4	6	*7.0	*13.0
04	160	2	4	11.0	17.5	138	6	4	*10.5	*16.5	118	6	4	*9.5	*16.0
05	160	6	4	*11.0	*17.0	138	6	6	*12.0	*18.5	118	6	10	*10.0	*16.0
06	158	6	2	*11.0	*17.0	134	8	8	*11.0	*17.0	113	9	19	*13.5	*20.0
07	158	6	5	*12.0	*18.0	134	9	8	13.0	19.0	116	8	16	*10.5	*18.0
08	158	6	4	12.0	18.0	134	5	11	*12.0	*18.0	116	4	18	*13.5	*20.0
09	158	7	4	13.0	19.0	134	9	9	14.0	19.5	112	10	16	*13.5	*21.5
10	160	6	7	12.0	17.0	133	10	8	*11.5	*17.5	112	11	10	*14.0	*20.5
11	158	4	2	*12.0	*16.0	132	11	6	13.0	19.0	112	10	10	*13.0	*20.0
12	160	6	6	12.5	17.5	134	8	8	14.0	19.0	112	16	20	*12.0	*20.0
13	160	6	3	*12.0	*17.0	136	8	5	12.0	17.0	116	12	14	*11.5	*17.0
14	162	4	3	*12.0	*17.0	136	10	6	12.0	17.0	116	15	14	12.5	18.5
15	162	4	4	11.0	15.5	136	6	4	11.0	16.0	114	17	9	*12.5	18.5
16	162	4	5	10.0	15.0	138	5	8	11.5	16.0	112	12	5	12.0	18.0
17	160	3	7	10.0	15.0	138	3	9	*12.0	17.0	112	8	5	12.5	18.0
18	16.0	3	5	*11.0	*17.0	137	4	7	10.5	16.5	118	3	7	10.0	15.0
19	158	4	3	10.5	16.0	138	4	8	10.0	15.0	120	4	7	*8.5	*14.5
20	158	6	5	10.5	16.0	138	5	4	9.0	14.0	118	7	4	*6.0	*12.0
21	159	5	6	10.5	16.0	138	5	5	9.0	14.0	120	4	5	7.0	13.0
22	160	4	7	11.0	17.0	138	4	5	9.0	14.5	119	5	5	8.0	12.5
23	160	3	7	11.5	17.5	138	5	6	8.5	14.0	120	4	4	7.0	13.5

Hour (LST)	.495 F_{om}	.495 D_u	.495 D_ℓ	.495 V_{dm}	.495 L_{dm}	2.5 F_{am}*	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}	2.5 L_{dm}	5 F_{om}*	5 D_u	5 D_ℓ	5 V_{dm}	5 L_{dm}	10 F_{om}*	10 D_u	10 D_ℓ	10 V_{dm}	10 L_{dm}	20 F_{om}*	20 D_u	20 D_ℓ	20 V_{dm}	20 L_{dm}
00	100	2	4	5.5	10.5	72					58					48					27				
01	100	4	6	*7.0	*12.5	70					58					50					27				
02	98	6	4	*7.5	*14.0	73					56					42					27				
03	98	4	2	*6.5	*13.0	74					61					45					28				
04	98	6	4	*7.5	*13.5	74					57					39					28				
05	91	11	9	*8.5	*16.0	74					58					43					27				
06	92	8	16	*10.0	*15.5	61					58					48					29				
07	89	11	9	*10.0	*9.0	56					54					45					29				
08	88	10	14	*13.0	*18.0	50					46					41					28				
09	88	12	13	*8.0	*11.0	45					43					42					28				
10	86	12	9	*12.0	*17.5	46					41					40					27				
11	90	8	14	*12.5	*17.0	44					40					41					30				
12	91	14	19	*14.5	*23.5	44					38					43					31				
13	88	21	14	12.0	19.0	42					40					42					33				
14	90	20	13	*12.5	*19.0	42					42					43					34				
15	88	27	10	*10.0	*15.0	44					44					46					35				
16	90	11	7	11.0	15.0	42					48					48					33				
17	94	9	9	*10.0	*16.0	52					54					51					33				
18	98	6	10	7.5	13.0	58					58					53					29				
19	98	6	7	*7.5	*12.0	63					60					55					28				
20	98	4	6	6.0	10.0	70					68					51					28				
21	98	6	8	5.5	10.0	69					65					43					25				
22	98	6	6	6.0	11.0	71					56					41					27				
23	100	4	4	6.0	11.0	70					54					47					27				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month May 1963

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	162	4	8	10.5	16.0	137	8	6	9.0	14.0	122	8	8	6.5	10.0	100	9	7	7.5	12.0	70	5	7	5.5	9.0	62	3	7	4.5	7.5	51	19	6	4.5	6.0	25	3	2	2.0	3.0
01	162	6	6	10.0	15.5	139	6	7	9.0	13.5	123	6	8	7.5	12.5	100	8	8	7.5	13.0	71	6	8	6.0	9.5	63	4	4	5.0	8.0	49	9	4	3.5	6.5	25	4	2	1.5	2.5
02	162	6	7	10.0	15.0	139	6	7	9.0	13.0	123	6	9	7.5	13.0	100	8	7	*7.5	*12.5	73	6	8	6.0	10.5	63	4	2	5.0	8.5	49	22	6	3.0	5.5	25	6	2	2.0	2.5
03	162	6	6	10.5	16.5	137	7	6	9.0	14.5	121	6	8	8.0	13.0	98	6	8	7.5	13.5	73	6	8	6.0	10.0	63	4	4	4.0	7.5	49	16	6	5.0	7.0	25	6	2	*3.0	*4.5
04	162	6	7	11.0	16.0	137	6	6	9.0	14.0	121	4	8	7.5	12.5	98	6	8	8.5	15.0	73	6	4	6.5	11.0	63	4	2	5.0	7.5	49	22	6	3.5	5.5	25	4	2	*1.5	*2.5
05	162	4	6	11.0	17.5	135	6	6	10.0	15.0	117	6	12	*10.5	*16.5	92	10	16	*13.0	*19.0	71	6	3	7.0	12.0	64	5	3	*3.0	*7.0	51	9	6	*3.0	4.5	25	4	2	2.0	3.0
06	160	4	4	10.5	15.5	130	13	5	11.0	17.5	109	1.6	16	*13.0	*20.0	86	17	14	*13.0	*19.5	61	10	10	8.0	13.5	61	4	4	*5.5	*9.0	50	15	6	4.0	6.0	25	4	5	2.0	3.5
07	158	4	4	*10.5	*16.0	129	10	10	*11.5	*18.0	111	14	17	*12.5	*19.5	90	10	17	*12.0	*19.5	54	9	15	*9.0	*14.0	54	5	7	7.5	12.5	45	16	4	3.0	5.0	25	4	4	2.0	4.0
08	159	3	7	12.5	18.0	131	8	14	*15.0	*19.5	113	12	23	13.0	19.5	87	17	17	*12.0	*20.0	47	12	12	*8.5	*11.0	47	10	8	*7.0	*12.0	41	16	6	5.0	6.5	25	4	8	2.0	3.0
09	160	4	8	*14.0	*19.0	127	12	12	*15.5	*19.0	106	16	18	*12.0	*19.0	86	12	14	*13.0	*20.0	43	12	10	*10.0	*10.0	43	12	8	*9.0	*12.0	37	14	6	4.5	6.5	25	2	12	2.0	4.0
10	160	4	6	13.5	19.0	129	11	11	14.0	20.0	115	9	25	*17.5	*23.0	80	23	10	*13.0	*20.0	45	14	10	*5.0	*6.0	41	8	8	*10.0	*14.0	35	18	4	*6.5	*9.0	25	4	10	3.0	4.0
11	160	4	6	13.0	17.5	129	12	10	*13.0	*18.0	10.6	19	16	*16.0	*23.0	89	17	19	*14.5	*22.5	45	14	12	*9.0	*13.0	39	16	6	*9.0	*12.0	38	11	7	7.0	9.0	25	6	4	3.0	4.0
12	160	7	5	15.0	19.5	131	15	10	*18.0	*22.0	111	20	20	*17.0	*25.5	97	11	27	*14.0	*20.0	43	24	8	*4.0	*6.0	39	18	12	*7.0	*10.0	40	13	9	7.0	10.0	25	7	6	*3.5	*4.0
13	162	8	6	13.5	21.0	132	20	9	*13.0	*16.5	118	19	24	*12.0	*19.0	97	21	24	*12.5	*20.0	54	19	19	*5.0	*6.5	43	26	14	*9.0	*14.0	40	21	7	*9.0	*12.0	27	16	9	*3.5	*5.0
14	162	11	4	12.5	17.0	137	13	11	*9.0	*13.5	123	14	21	*14.0	*20.0	102	17	26	12.0	18.5	50	34	14	*10.5	*12.5	45	27	12	*8.0	*11.0	45	12	9	*7.0	*9.0	27	17	7	4.0	6.0
15	164	6	5	*10.0	*14.5	135	14	8	10.5	14.5	119	14	15	13.0	19.0	96	15	16	*12.5	*19.0	55	26	18			47	25	9	*9.0	*12.5	46	9	8	*6.0	*9.5	29	12	7	*4.0	*6.0
16	162	6	4	9.0	14.0	134	11	7	*11.0	*14.5	117	15	12	13.0	18.5	96	14	17	10.5	16.5	54	24	16	*11.0	*16.0	53	12	10	7.0	10.5	49	7	9	4.5	7.0	29	6	11	4.0	6.0
17	161	5	4	10.0	13.5	133	10	8	*11.5	16.0	113	13	14	11.0	16.0	93	13	15	*11.0	*17.0	54	19	10	*4.5	*16.5	59	6	8	*6.0	*10.0	53	8	4	*2.5	*4.5	29	6	4	4.0	6.0
18	160	2	5	10.0	15.0	131	10	7	*10.0	14.0	113	13	9	*10.0	*15.5	94	11	8	7.5	12.5	60	10	7	9.5	13.5	65	2	6	*6.0	*9.5	53	10	2	4.0	5.5	29	5	6	4.0	5.0
19	160	4	5	9.0	13.5	133	6	7	10.0	16.0	117	8	7	8.0	13.5	96	9	7	8.5	13.5	67	9	8	7.5	11.0	68	3	7	*6.0	*8.0	57	6	6	3.5	5.5	27	4	6	3.5	4.0
20	160	7	4	11.0	15.0	135	9	6	8.0	13.0	119	18	7	8.0	13.0	100	6	8	7.5	12.0	69	8	6	7.0	10.5	67	5	9	5.0	8.0	55	11	3	3.5	6.0	25	4	2	2.5	3.0
21	162	4	6	11.0	15.0	135	9	4	9.0	13.0	119	8	6	*6.0	*10.0	100	6	7	*6.0	*9.5	69	8	4	7.0	10.0	67	4	8	*4.5	*7.0	53	8	5	*4.5	6.5	23	4	4	2.5	4.0
22	162	4	6	11.0	15.5	136	6	6	8.0	12.0	119	6	6	6.5	10.0	100	7	8	6.0	10.0	69	6	7	5.5	8.5	63	4	7	*5.5	*7.0	51	8	2	3.5	4.5	25	4	4	1.5	2.5
23	161	5	5	10.0	15.0	135	8	6	*8.0	*13.0	119	8	6	6.5	10.0	100	6	8	6.0	11.0	69	6	6	6.0	9.0	63	6	5	5.0	7.5	51	22	6	4.0	7.5	24	3	2	*2.0	*2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Month March 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	2	4	11.0	17.0	128	7	4	5.5	9.5	104	9	6	10.0	16.0	86	11	6	6.0	13.0
01	154	3	2	11.5	17.0	128	6	4	5.5	9.5	104	11	6	8.0	15.0	86	11	6	7.0	12.5
02	154	7	2	10.0	17.0	128	7	3	6.5	10.0	102	12	6	8.0	14.0	86	10	7	8.0	14.5
03	154	7	2	11.0	18.0	128	6	2	5.5	10.0	104	6	7	9.0	15.5	84	10	7	7.0	14.0
04	154	6	2	11.0	19.0	128	6	2	4.5	8.5	100	13	6	8.0	16.0	82	11	7	7.5	14.5
05	154	4	4	11.5	19.0	128	6	4	4.0	8.5	96	11	7	8.0	15.5	72	11	6	7.0	12.0
06	154	5	3	11.5	18.0	124	10	5	4.0	8.5	86	18	14	6.5	11.0	60	14	6	2.0	4.5
07	152	8	4	11.5	18.0	120	14	8	5.5	8.0	76	30	8	6.5	12.0	56	9	2	2.5	5.0
08	148	12	2	12.0	18.0	114	18	6	6.0	9.5	74	32	10	6.5	11.0	56	8	4	2.5	4.0
09	149	11	3	12.0	18.0	114	12	8	4.0	8.0	84	17	20	6.0	13.0	56	7	4	3.5	7.0
10	148	10	4	12.5	19.0	114	14	6	3.0	7.5	72	30	8	7.0	12.0	*56			2.5	5.0
11	148	10	2	10.0	16.0	116	10	2	4.0	8.0	80	21	15	6.5	10.0	56	7	4	3.0	6.0
12	150	10	5	10.0	15.0	116	12	2	3.0	8.5	76	26	12	6.0	9.5	56	6	2	2.5	5.0
13	150	8	6	10.0	16.0	118	10	6	4.5	8.5	82	24	18	6.0	12.0	56	11	2	3.0	6.0
14	150	10	3	11.0	16.5	117	12	4	4.0	8.0	82	22	16	7.0	11.5	56	8	2	2.5	6.0
15	150	10	4	11.0	17.0	118	11	4	5.0	9.5	84	20	18	7.0	12.5	58	4	4	2.0	5.0
16	150	8	4	11.5	18.0	118	13	6	6.5	11.5	84	20	18	6.5	12.0	58	11	4	3.0	5.0
17	150	7	6	12.0	19.0	118	15	8	6.0	11.5	92	15	18	6.5	12.5	66	18	10	5.0	7.5
18	150	7	6	11.0	17.5	120	12	6	6.0	10.0	98	15	12	7.0	14.0	80	11	12	4.5	9.0
19	152	8	6	12.0	18.0	124	10	8	5.5	10.5	102	13	13	7.5	15.0	84	14	9	6.0	12.0
20	153	7	5	12.0	19.5	128	6	5	5.5	9.0	102	15	12	7.5	15.0	84	14	8	6.0	11.5
21	154	5	5	12.0	18.5	130	7	6	5.0	9.0	104	13	12	8.0	16.0	86	14	8	6.5	11.5
22	154	5	5	12.0	19.0	130	6	7	5.5	10.0	104	13	10	8.0	16.0	86	14	7	5.5	12.0
23	154	5	4	11.5	18.5	128	8	4	6.0	10.0	104	12	8	9.5	16.5	88	12	8	8.5	13.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	60	8	9	4.5	8.0	55	6	4	4.0	7.5	37	10	4	2.5	4.0	24	2	0	1.0	2.5
01	60	7	10	5.5	8.5	55	7	4	4.0	7.5	37	7	4	2.5	3.5	26	0	2	1.5	3.0
02	60	6	9	4.5	7.5	53	8	2	3.0	6.0	35	6	2	1.5	3.5	26	0	2	1.0	2.5
03	58	8	8	4.5	8.5	53	6	2	3.5	7.0	35	10	2	2.0	4.0	26	0	2	1.5	3.0
04	56	10	8	4.0	8.0	53	6	2	3.5	7.0	37	6	4	2.0	4.0	26	0	2	1.5	3.0
05	54	16	6	4.0	7.5	53	8	4	3.5	7.0	39	4	4	2.0	4.0	26	0	2	1.5	3.0
06	52	3	6	4.5	9.0	51	3	4	3.5	7.0	41	5	2	2.5	4.5	26	0	2	2.0	3.0
07	40	9	7	4.0	8.0	43	10	5	4.0	7.0	39	9	2	2.0	4.5	26	2	2	1.5	3.5
08	32	7	4	3.0	5.0	35	11	4	2.0	4.0	37	8	2	3.0	5.0	26	2	2	1.0	2.5
09	27	7	3	*1.5	*3.5	31	7	2	1.5	3.5	37	6	4	2.0	4.0	26	2	2	2.0	4.0
10	24	4	0	*1.5	*3.0	29	10	2	*2.0	*4.0	*35			*2.0	*4.0	*25			*2.5	*5.0
11	24	2	2	*1.5	*2.5	29	6	4	2.5	4.0	37	4	6	2.5	5.0	26	2	2	2.0	3.5
12	24	4	2	2.0	3.5	27	8	2	2.0	4.0	35	6	4	2.0	4.0	26	2	2	2.5	4.0
13	24	2	2	1.5	3.5	29	6	4	1.5	3.0	37	8	4	2.0	4.0	26	2	2	2.0	4.0
14	24	2	1	2.0	3.5	31	8	4	2.0	4.0	39	7	4	1.5	4.0	26	2	2	2.5	4.5
15	26	10	2	2.0	4.0	35	11	6	3.0	6.0	45	5	7	1.5	4.0	26	4	2	2.0	3.5
16	33	13	7	3.0	6.5	39	12	5	3.0	6.0	49	4	6	2.0	4.0	24	5	0	1.5	3.5
17	42	14	9	3.5	6.0	49	10	7	3.0	6.0	51	4	8	2.0	3.5	24	2	0	2.0	3.5
18	53	13	9	4.0	7.0	54	8	6	3.5	7.0	47	6	5	2.5	5.5	24	0	2	1.5	3.0
19	56	14	8	4.5	8.0	53	12	4	4.5	8.5	47	6	8	3.0	6.0	24	0	0	1.5	3.0
20	57	13	7	4.5	8.5	57	8	8	5.0	8.0	42	7	7	*2.0	*4.5	24	2	0	1.5	3.0
21	59	12	9	4.5	8.5	57	7	8	4.5	8.0	37	8	4	2.5	4.0	24	1	0	1.0	2.5
22	60	12	10	5.0	9.0	55	8	6	4.5	8.0	37	8	4	2.0	4.0	24	2	0	1.0	2.5
23	60	11	9	5.0	8.5	57	4	5	4.5	8.5	37	10	3	2.0	3.5	24	2	0	1.0	2.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month April 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	157	6	6	11.5	18.5	130	10	4	5.0	9.5	107	13	9	9.0	17.0	91	14	10	8.0	15.0
01	157	5	5	12.0	19.0	130	10	5	6.0	10.0	109	10	12	9.0	16.0	93	9	11	6.5	14.5
02	157	6	6	11.0	18.5	130	6	4	6.0	10.0	109	8	11	9.0	17.0	91	11	12	7.5	16.0
03	157	5	5	11.5	18.5	130	8	4	5.0	9.5	109	9	13	9.0	17.0	89	13	12	8.5	17.0
04	157	5	6	11.5	18.5	128	8	4	4.5	8.5	99	5	11	9.0	16.5	73	22	7	7.5	11.0
05	156	3	5	11.5	19.0	126	6	8	8.0	12.0	89	8	10	10.0	16.0	61	21	8	3.0	5.0
06	155	2	6	12.0	19.0	124	7	8	5.5	10.0	85	22	16	7.0	11.0	57	16	8	2.0	3.5
07	153	4	4	11.5	18.0	118	11	9	8.0	11.0	83	22	12	7.0	11.5	57	8	8	1.5	4.0
08	153	6	6	12.0	19.0	114	12	8	7.0	11.5	83	19	13	6.0	10.5	57	8	6	2.5	5.0
09	153	4	6	11.5	18.0	118	10	6	5.0	9.0	*83			*5.5	*9.0	*58			*1.5	3.5
10	151	6	2	10.0	16.0	116	13	2	3.0	6.5	83	24	14	3.0	5.0	57	13	8	2.0	4.0
11	153	6	4	10.0	16.0	119	9	5	3.5	7.0	82	19	11	6.5	9.0	57	9	6	2.0	4.0
12	153	6	4	10.5	15.0	118	14	4	6.0	10.0	83	20	12	6.5	10.0	59	11	6	3.0	5.0
13	154	4	3	9.0	15.0	120	12	4	6.0	10.0	87	16	13	8.0	11.5	59	14	5	3.0	5.5
14	155	3	4	9.0	15.5	122	10	8	8.0	11.0	87	23	12	8.5	12.5	61	23	6	2.5	5.0
15	155	4	4	10.0	16.0	122	12	8	7.5	13.0	93	19	15	7.5	13.0	59	23	3	5.5	8.0
16	155	6	5	11.0	16.5	124	12	9	7.5	13.0	97	16	20	8.0	16.0	59	24	4	3.0	6.0
17	153	8	4	10.0	17.0	122	14	9	7.0	13.0	93	21	14	6.0	11.0	62	21	5	3.0	6.5
18	153	8	4	9.0	15.5	124	12	8	5.0	9.5	101	16	8	7.0	12.5	77	13	10	4.0	8.5
19	155	6	4	9.0	15.0	126	15	5	7.0	11.0	107	13	9	8.0	14.5	85	13	8	7.0	13.5
20	155	7	4	10.5	17.0	130	9	5	5.0	9.5	105	15	8	8.5	15.5	87	13	6	7.5	13.5
21	157	4	6	11.0	18.0	130	9	4	4.5	8.5	103	15	8	8.0	15.0	89	14	7	6.0	13.0
22	157	7	4	11.5	19.0	130	10	4	4.0	7.5	105	15	10	8.5	15.5	89	13	9	7.0	13.5
23	157	6	4	11.0	18.5	130	9	4	5.0	8.5	105	14	8	8.5	16.0	91	12	9	7.0	15.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	66	8	10	3.5	7.0	57	6	4	3.5	7.0	36	4	2	2.0	4.5	26	1	2	1.5	2.5
01	66	7	10	4.5	8.5	59	6	6	4.0	7.0	36	5	4	2.0	4.0	26	1	2	1.0	2.5
02	66	7	9	5.0	8.5	59	4	6	4.0	8.0	36	3	4	2.5	5.0	26	1	2	1.5	2.5
03	66	6	10	5.0	9.0	57	6	4	4.0	7.5	36	5	4	2.0	4.0	26	0	2	1.5	3.0
04	64	8	14	5.5	9.0	57	6	6	5.0	8.0	38	7	5	2.0	5.0	26	0	2	1.5	3.0
05	52	16	7	6.0	10.0	55	5	4	3.0	7.0	42	5	7	2.0	5.0	26	0	2	1.5	3.0
06	44	12	11	5.0	9.0	45	10	6	4.5	7.0	40	4	4	2.5	5.5	26	0	2	0.5	2.5
07	34	16	7	4.0	6.5	35	16	2	2.5	5.0	38	7	4	2.0	4.0	26	0	2	1.0	3.0
08	26	13	4	2.5	4.0	31	14	4	3.0	5.5	36	6	4	2.5	5.0	24	2	0	1.0	2.5
09	22	6	2	2.0	4.0	27	6	2	*1.5	*3.5	*32			*2.5	*4.0	24	2	0	1.5	3.0
10	22	8	0	2.5	4.0	25	8	4	2.0	4.0	32	10	2	2.0	5.0	24	4	0	1.5	3.5
11	22	4	2	1.5	3.5	24	17	3	2.0	4.0	34	8	4	2.5	5.0	24	2	2	1.5	3.5
12	23	5	1	2.0	4.0	25	16	4	3.0	4.5	34	8	4	3.0	5.0	24	4	2	1.5	3.0
13	24	20	2	3.0	5.0	28	15	6	3.0	5.0	36	7	3	3.0	5.0	24	4	2	1.5	3.0
14	24	16	2	2.0	4.0	33	10	8	3.0	5.0	38	7	5	3.0	5.5	26	2	4	2.0	3.5
15	26	22	4	2.0	4.0	37	14	8	4.0	7.0	42	7	6	2.5	5.0	26	4	3	2.0	3.5
16	32	16	4	2.5	4.0	42	13	7	4.0	7.5	48	8	9	2.5	5.5	26	2	3	1.5	3.5
17	43	13	13	3.5	7.5	49	12	5	3.5	7.0	50	5	6	3.0	5.5	26	3	4	1.5	3.0
18	52	10	5	3.0	7.5	57	6	4	3.5	6.5	50	7	3	3.5	6.5	24	2	2	1.5	3.0
19	64	9	10	4.5	9.0	59	8	4	3.5	7.0	50	5	5	3.0	6.0	24	2	2	1.0	2.5
20	64	9	9	5.0	8.5	59	7	6	4.5	8.5	46	9	6	2.0	4.0	24	2	2	1.0	2.5
21	62	13	6	4.0	8.0	59	6	6	4.0	8.0	38	11	2	2.5	5.0	24	2	2	2.0	3.0
22	64	10	8	5.0	9.0	57	8	4	4.5	8.0	38	3	4	2.5	4.5	26	0	4	1.5	3.0
23	64	10	8	4.0	8.0	57	8	4	3.5	7.5	36	6	3	3.0	5.0	26	1	3	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2 W Month May 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	160	7	5	10.0	18.0	138	8	8	6.0	11.0	116	9	13	6.5	12.0	95	11	13	7.0	12.5	73	9	13	4.5	9.0	61	8	6	4.5	9.0	40	23	6	2.5	5.0	25	2	0	1.0	3.0
01	160	6	7	10.0	17.5	138	6	8	6.0	11.5	114	8	11	6.5	12.0	95	8	13	6.5	13.0	74	6	13	4.5	8.5	61	7	5	4.0	8.5	40	13	6	3.0	6.0	25	2	0	1.5	3.0
02	160	5	6	10.5	17.5	136	7	6	6.0	11.0	114	8	11	6.5	13.0	91	10	11	6.5	13.5	74	5	13	5.0	9.0	61	4	6	4.0	7.5	38	14	4	3.0	5.5	25	2	0	1.5	3.0
03	158	7	5	11.5	18.5	136	8	8	7.0	12.0	114	7	15	7.5	15.0	87	13	10	7.5	16.0	72	6	10	5.5	10.0	61	5	5	4.0	8.5	38	8	6	3.0	5.5	25	2	0	1.0	3.0
04	158	5	4	10.5	18.0	132	7	7	6.0	11.0	100	4	16	9.5	15.0	65	17	8	6.0	8.0	66	6	12	7.0	11.0	59	3	6	4.0	8.0	42	6	7	2.5	5.5	25	2	0	1.0	3.0
05	156	6	5	11.0	19.0	130	7	10	8.0	13.5	100	13	22	8.5	15.0	61	16	5	2.0	4.5	50	10	12	6.5	10.5	51	7	8	4.5	8.5	40	7	5	3.5	7.0	25	2	0	1.5	3.0
06	156	6	4	12.0	18.5	128	9	11	9.0	14.5	98	13	20	9.0	15.5	63	16	6	2.0	5.0	40	13	8	6.0	9.5	45	8	11	5.0	9.0	40	5	5	4.5	7.0	25	2	0	1.5	3.5
07	156	5	4	12.5	19.5	125	9	10	9.5	14.0	90	7	12	8.0	11.0	59	11	4	2.5	7.0	32	14	6	4.5	8.0	37	11	8	5.5	9.0	36	7	4	4.0	7.0	25	2	0	2.0	3.5
08	156	4	4	13.0	19.0	126	6	10	8.0	12.5	97	8	20	12.0	20.5	60	19	5	3.5	6.5	26	7	1	1.5	4.5	33	10	7	6.0	9.5	34	8	6	4.0	7.0	25	2	2	1.0	3.5
09	154	7	4	14.0	20.0	124	10	6	7.5	12.0	90	7	14	8.0	12.0	61	22	4	5.0	8.5	26	3	2	2.5	4.0	27	11	6	4.5	6.5	32	5	4	3.0	7.0	25	2	2	1.5	3.0
10	158	7	6	13.0	20.0	128	10	10	10.0	15.0	102	22	23	15.0	23.0	69	34	10	8.0	13.5	26	6	1	2.0	4.5	31	12	7	5.0	8.0	33	5	5	4.0	8.5	25	2	2	1.5	3.5
11	160	6	6	12.0	19.5	132	13	11	11.0	17.0	106	20	26	13.5	22.5	72	34	15	9.0	15.0	30	36	5	4.0	6.0	34	14	11	5.5	9.5	34	9	4	4.5	8.0	25	5	2	1.5	3.5
12	161	8	8	12.0	19.0	134	13	13	10.5	17.0	110	17	22	11.5	19.5	85	23	26	10.0	17.0	34	36	8	4.5	9.0	39	14	16	7.0	11.5	36	6	4	4.0	7.5	26	7	3	2.0	4.0
13	162	8	6	10.5	17.5	134	15	8	8.0	13.5	110	24	20	10.0	17.0	93	23	33	9.5	19.0	41	34	16	8.0	13.0	39	27	12	7.0	11.0	40	11	7	4.0	7.0	27	13	3	1.5	3.5
14	164	8	4	11.0	17.0	139	14	10	8.0	13.5	117	18	21	11.0	17.0	99	15	37	9.5	19.5	48	29	21	6.5	11.5	47	22	14	5.0	9.0	42	8	4	4.0	7.5	29	9	4	1.5	4.0
15	164	8	5	10.5	17.0	142	10	15	8.0	15.0	120	13	22	9.5	17.0	101	19	38	8.0	16.5	58	21	30	7.5	12.0	50	15	13	5.5	9.5	46	8	4	4.0	7.0	29	11	4	2.0	4.5
16	164	9	5	9.0	16.0	140	13	12	7.5	14.0	120	15	20	10.0	17.0	95	25	32	8.5	16.0	54	31	22	8.0	14.5	51	18	9	4.0	9.0	48	13	4	3.5	7.0	29	13	4	2.0	5.0
17	164	8	6	10.5	16.5	140	14	11	7.5	15.0	118	17	16	9.0	17.0	95	19	30	9.0	16.0	56	29	18	4.5	10.5	55	13	7	4.0	8.0	50	11	4	3.0	6.5	29	8	3	2.0	4.5
18	162	10	5	9.5	16.0	140	12	10	10.0	16.0	118	16	16	9.0	17.0	85	25	14	9.5	15.5	64	18	14	5.0	9.5	61	7	8	3.0	7.0	52	11	4	3.0	6.0	29	5	4	3.0	5.0
19	162	9	5	9.0	15.5	140	8	12	7.5	13.0	118	13	16	7.0	12.5	93	13	15	6.5	12.0	70	7	12	3.0	6.5	65	6	6	3.0	7.0	54	6	4	3.0	7.0	27	4	2	1.5	3.5
20	164	6	6	9.0	15.5	140	8	9	6.5	12.0	119	11	10	6.5	11.5	95	11	12	6.0	11.5	76	4	10	4.0	8.0	67	4	8	3.0	7.0	52	8	6	3.5	7.0	25	6	0	1.5	3.0
21	164	6	8	9.5	16.5	140	8	11	5.5	10.0	120	9	12	6.0	12.0	95	12	13	5.0	11.0	76	7	13	4.5	8.0	67	4	8	4.0	7.5	46	8	7	2.5	6.0	25	3	0	1.5	2.5
22	162	8	8	10.0	16.5	140	8	9	6.0	11.0	118	9	13	6.5	11.5	95	9	13	6.0	12.0	74	7	11	3.5	7.0	65	6	9	3.5	8.0	44	10	8	3.0	6.0	27	1	2	1.0	2.5
23	160	8	5	10.0	17.0	142	4	11	6.0	11.0	118	7	15	7.5	15.0	95	9	13	6.5	12.5	74	8	13	4.0	7.5	63	5	8	4.0	8.0	40	12	5	3.5	6.5	27	0	2	1.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Month March 1963

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	154	4	2	9.5	15.0	129	8	6	4.5	9.0	102	9	6	10.0	16.0	90	8	9	7.5	12.0
01	154	2	2	10.0	15.0	129	10	4	5.0	9.0	102	10	8	10.0	16.0	86	14	4	7.5	11.5
02	154	4	0	9.5	16.0	129	10	2	5.0	8.5	100	12	4	8.5	14.0	86	10	4	9.0	13.0
03	154	4	0	10.5	16.5	129	8	2	5.0	8.0	101	9	7	9.0	15.0	85	9	5	*8.0	*13.5
04	154	4	0	10.5	16.5	129	8	4	5.0	9.0	99	13	11	10.0	17.0	82	16	6	7.5	12.0
05	154	4	2	11.0	17.5	129	4	4	4.5	8.0	91	11	9	9.0	14.0	76	8	8	5.0	11.0
06	154	4	2	11.0	17.0	123	13	6	7.0	10.0	81	19	13	6.5	10.0	64	6	4	4.0	6.5
07	153	5	3	12.0	17.5	119	13	8	5.0	8.0	78	19	10	3.5	5.0	64	4	4	3.0	4.5
08	151	7	3	11.0	17.0	115	11	6	3.5	8.0	75	19	9	4.0	6.0	64	4	4	3.5	6.5
09	150	10	2	11.0	16.0	115	7	6	3.0	6.5	76	24	7	4.0	6.0	66	8	6	*4.5	*7.0
10	150	8	2	9.0	14.0	117	12	4	3.0	7.0	78	27	8	4.0	5.5	66	9	4	*2.0	*5.0
11	152	4	4	9.5	15.0	119	10	2	2.5	7.5	76	20	6	*3.0	*5.0	66	4	2	*5.0	*6.0
12	152	4	2	10.5	16.0	119	9	2	3.5	8.0	78	21	6	3.5	6.0	66	6	4	*4.0	*5.5
13	152	8	4	10.0	13.0	120	8	3	3.5	8.5	82	19	11	5.5	9.0	66	8	4	2.0	4.5
14	152	10	2	10.0	14.0	119	10	3	4.5	9.0	82	23	10	7.5	10.0	66	4	4	*3.0	*6.0
15	152	10	2	9.5	14.0	119	12	4	6.0	9.5	82	22	10	6.5	13.0	66	8	4	4.0	7.0
16	152	8	4	13.0	17.5	117	14	6	7.0	10.0	82	24	12	4.0	7.0	67	9	7	3.0	6.0
17	150	8	4	10.5	15.0	120	13	7	6.0	10.0	92	14	16	8.0	12.5	70	18	8	4.0	7.5
18	151	9	5	10.5	17.5	121	14	4	5.0	10.0	96	18	12	9.0	16.0	79	19	11	6.0	11.0
19	152	8	6	12.0	17.0	125	12	8	6.5	10.5	98	14	6	7.5	15.0	84	14	8	8.0	13.0
20	154	8	6	12.0	18.0	129	8	8	6.5	10.0	102	14	12	8.0	15.0	86	14	8	7.0	12.5
21	154	8	4	11.5	17.5	129	10	8	5.5	10.0	100	18	8	9.0	15.0	87	15	7	7.5	14.0
22	154	6	4	11.0	17.5	129	8	4	4.5	8.0	102	12	8	9.0	15.0	89	12	9	8.0	13.5
23	154	6	2	11.0	16.5	130	7	5	4.5	8.0	103	11	7	9.0	15.0	88	11	6	8.5	14.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm*	Ldm*	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	51	11	7	5.0	7.5	49	12	8	*6.5	*10.5	36	4	9	*4.0	*6.0	24	2	2	2.0	3.0
01	55	12	10	4.0	6.0	53	6	10	*6.0	*9.5	36	4	4	3.0	5.0	24	2	2	2.0	3.5
02	51	15	7	4.5	9.5	49	14	8	*4.0	*7.0	36	2	6	3.0	5.5	24	2	2	2.0	3.5
03	46	17	3	4.0	6.5	*49			*4.0	*7.0	32	6	4	3.0	5.0	24	2	2	2.0	3.5
04	48	15	4	4.5	6.5	51	6	10	*4.0	*7.0	34	6	4	*3.0	*5.0	24	2	2	2.0	3.5
05	48	12	6	3.5	6.0	49	10	8	*3.5	*6.5	38	4	4	*3.5	*6.0	24	2	2	2.0	4.0
06	44	11	1	5.0	8.0	45	7	5	4.0	7.5	41	7	7	*6.0	*9.0	24	2	2	2.0	4.0
07	44	2	6	3.0	4.5	39	8	2	3.5	6.0	38	8	4	4.0	7.0	24	2	2	2.0	4.0
08	44	2	6	2.5	4.5	39	6	6	3.0	5.0	36	5	4	*4.5	*7.0	24	4	2	3.0	6.0
09	42	4	3	2.0	3.5	37	4	5	*3.0	*5.0	34	5	4	*4.0	*6.0	24	3	2	*3.0	*4.5
10	42	6	6	2.0	3.5	37	4	6	*2.0	*4.0	35	5	7	*3.0	*5.0	26	2	2	*4.0	*7.0
11	44	10	8	3.0	4.5	37	8	6	*2.5	*4.5	34	6	8			26	4	2	*3.5	*5.0
12	44	8	8	2.0	4.0	39	6	6	*2.0	*4.0	36	4	6	*4.0	*7.0	26	4	4	2.5	4.5
13	44	8	4	2.0	3.0	39	8	6	3.0	4.5	38	4	6	*3.5	*5.0	26	4	2	2.5	5.0
14	44	8	6	2.5	4.0	41	6	12	2.5	4.5	38	6	5	*5.0	*7.0	28	2	4	3.0	4.5
15	44	8	4	2.0	4.0	40	7	5	*3.0	*5.0	42	6	4	*3.0	*5.0	28	4	6	*2.0	*4.0
16	44	8	4	2.0	4.0	41	8	6	*3.0	*5.0	46	7	8	*4.0	*6.5	26	6	4	2.0	4.5
17	44	8	2	3.0	5.0	44	10	4	3.5	5.0	49	7	12	*4.0	*6.0	24	4	2	*2.0	*4.0
18	48	12	6	2.0	4.0	49	9	9	*3.5	*6.0	43	8	9	*2.5	*5.0	24	2	4	2.5	4.0
19	52	9	14	4.0	6.5	*49			*2.5	*4.0	38	14	5	*4.5	*6.5	22	4	2	2.0	3.5
20	50	15	6	4.0	6.0	53	6	12	*5.0	*7.5	37	8	7	*3.5	*5.5	22	4	2	2.0	3.5
21	*54			5.0	7.5	51	8	10	*5.0	*8.0	34	8	4	*3.0	*5.0	22	4	0	2.0	3.5
22	53	15	11	4.0	6.5	49	12	8	*4.5	*7.5	36	6	4	3.0	5.5	22	2	0	1.5	3.0
23	52	16	10	4.0	7.0	51	10	10	*3.5	*7.0	36	8	8	3.0	4.5	24	0	2	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month April 1963

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	154	6	2	12.5	18.5	130	8	6	9.0	12.5	105	15	9	10.0	16.5	91	14	6	7.0	15.0
01	154	10	2	12.0	18.5	129	7	5	9.0	13.0	104	16	8	9.0	16.0	*91			7.5	13.5
02	154	8	2	12.5	18.5	130	4	14	10.0	14.0	105	14	7	10.0	18.0	93	6	14	10.0	14.0
03	156	6	4	13.0	20.5	129	7	5	9.0	13.0	104	12	10	*11.0	*18.0	91	10	16	10.0	16.0
04	158	2	6	13.0	18.0	127	5	3	9.0	14.5	99	10	12	*12.0	*19.0	79	13	12	*9.0	*14.0
05	154	6	2	13.0	19.0	128	6	10	10.5	15.0	91	20	18	*9.0	15.0	67	16	7	*4.0	7.0
06	154	6	4	13.0	19.0	122	8	8	*7.5	*11.5	85	28	18	*7.5	*12.0	63	15	4	*4.0	*5.0
07	152	8	4	12.5	19.0	118	14	10	*8.5	*12.5	79	30	8	*8.5	*13.0	65	16	6	4.0	5.0
08	152	8	4	13.0	19.0	114	14	10	*9.0	*15.0	83	26	15	*5.5	*10.5	65	10	5	*3.5	*5.0
09	154	7	5	*12.0	*15.0	117	11	5	*7.0	*11.0	89	18	18	*11.0	*12.5	66	12	7	*3.5	*5.0
10	154	6	4	*9.5	*13.0	118	12	6	*7.0	10.5	81	23	12	*9.0	*13.0	67	2	6	*3.5	*5.0
11	152	8	2	*10.0	*16.0	120	12	6	*6.5	*10.5	83	22	12	*7.5	*10.5	65	15	4	*3.0	*4.5
12	154	8	2	10.0	15.0	120	12	6	*10.0	*13.5	82	25	11	*6.5	*9.5	65	7	4	*4.0	*6.5
13	154	6	2	10.5	16.0	122	10	6	*9.0	*11.5	87	20	15	*9.0	*13.0	65	16	4	*6.0	*8.0
14	154	6	3	*10.0	*12.0	124	6	10	*10.0	*14.0	91	25	14	*8.5	*10.5	67	12	5	*7.0	*9.0
15	154	6	2	10.0	14.0	124	8	8	7.0	11.0	89	27	9	*7.0	*12.5	69	17	6	*4.5	*6.5
16	154	6	4	10.0	13.0	124	14	10	9.0	14.5	91	26	12	8.0	13.5	66	19	4	4.0	6.5
17	154	8	4	10.0	14.0	124	18	12	9.0	14.0	91	26	10	7.5	12.0	69	26	6	4.5	7.0
18	154	8	4	9.0	13.0	126	16	10	7.5	13.0	100	21	4	7.5	13.0	83	11	10	6.0	11.0
19	154	7	2	10.5	15.5	130	10	10	*9.0	*14.0	104	14	5	*8.0	*13.5	89	14	6	*8.0	*13.0
20	154	9	2	11.0	17.0	128	10	4	7.5	12.5	105	17	6	8.0	14.0	91	13	6	7.0	12.5
21	154	8	2	*11.0	*16.0	130	8	6	*8.0	*12.5	101	19	4	9.5	17.0	91	14	6	6.0	11.0
22	154	10	2	13.0	18.5	130	12	6	7.5	13.0	103	16	6	8.5	15.0	*90			*7.5	*13.0
23	154	8	2	13.0	18.0	130	6	6	8.5	11.5	105	13	9	*11.0	*18.0	*90			*8.0	*15.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm*	Ldm*	10 Fam	Du	Dℓ	Vdm*	Ldm*	20 Fam	Du	Dℓ	Vdm	Ldm
00	72	7	15	4.5	8.5	60	4	6	6.0	9.0	37	6	2	5.0	6.5	25	4	4	2.5	5.0
01	71	8	14	*5.0	*10.0	62	4	7	5.0	8.0	37	7	2	4.0	6.0	25	4	2	*2.5	*4.0
02	72	6	14	6.0	11.0	62	4	6	6.0	10.0	37	4	2	7.0	9.0	25	4	4	*2.5	*3.5
03	71	4	11	6.0	10.0	60	6	10	5.0	9.0	37	4	4	4.0	5.0	25	2	4	*4.5	*5.0
04	68	6	12	7.0	12.0	60	5	5	5.0	9.0	40	3	5	4.0	6.0	25	4	4	*2.0	*3.0
05	59	7	5	*5.0	*7.0	56	6	4	4.0	7.5	43	4	4	5.0	8.5	25	2	4	*3.0	*5.0
06	54	6	4	*2.0	*3.5	48	6	6	3.5	5.5	41	4	2	5.5	9.0	25	2	4	4.0	5.0
07	54	2	8	2.0	3.5	47	3	5	2.5	5.0	41	4	6	5.5	7.0	25	4	2	*2.0	*4.0
08	52	2	6	*2.0	*3.0	46	4	5	2.5	4.5	39	4	4	5.0	5.0	25	4	4	*3.5	*5.0
09	52	6	1	*2.0	*3.5	46	0	7	2.0	4.0	37	5	6	4.0	6.0	25	7	4	*3.5	*5.5
10	52	4	2	*1.5	*3.0	46	2	5	3.0	5.5	37	3	4	4.0	5.0	27	4	4	*4.0	*7.0
11	54	5	5	*2.0	*4.0	46	3	3	2.0	4.0	37	4	4	3.5	7.0	27	6	4	*4.0	*5.0
12	54	4	4	*2.5	*3.5	46	4	2	2.5	4.0	39	4	8	4.5	6.0	27	4	4	*3.5	*5.5
13	54	6	2	*2.5	*3.5	46	4	1	3.0	5.0	39	5	5	5.0	8.0	27	6	4	3.5	6.0
14	54	3	3	*2.5	*4.0	48	4	2	6.0	7.5	41	4	4	4.5	7.0	29	4	6	*6.5	8.5
15	54	4	2	*2.0	*3.5	50	4	4	3.0	4.5	43	6	2	4.5	7.5	29	2	4	*5.0	*8.0
16	54	2	4	*2.0	*3.5	48	10	2	3.0	4.5	47	2	6	5.0	7.5	27	4	6	*7.0	*4.5
17	54	6	4	1.5	3.5	46	11	4	3.5	5.0	49	6	6	3.5	6.0	26	5	3	*5.5	*7.5
18	59	12	5	*3.0	*5.0	60	11	6	4.0	7.5	52	3	7	3.0	6.0	25	8	2	*2.0	*3.0
19	68	12	7	*3.0	*6.0	62	9	7	5.0	8.5	50	3	5	5.0	8.0	25	6	4	*5.0	*2.5
20	70	13	9	4.5	8.0	62	6	6	5.0	9.0	49	4	8	6.5	8.0	25	4	4	*1.5	*3.0
21	70	11	8	*4.0	*8.0	60	6	4	4.5	8.0	41	4	4	4.0	5.5	25	4	4	*2.5	*4.0
22	70	10	10	*4.5	*8.0	62	8	3	5.0	7.5	39	7	4	6.5	8.0	25	4	4	*2.0	*3.5
23	69	10	8	*4.5	*7.5	62	8	6	5.0	8.0	38	6	2	7.0	11.0	25	4	4	*6.0	*5.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month May 1963

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dl	Vdm	Ldm	.051 Fam	Du	Dl	Vdm	Ldm
00	161	6	6	11.5	18.0	137	4	6	7.0	12.0
01	161	2	6	12.0	17.5	135	7	4	6.0	11.0
02	159	4	4	11.5	17.0	135	8	4	6.0	11.0
03	157	4	2	11.0	18.5	135	6	6	9.0	14.5
04	157	4	6	11.0	17.0	131	6	8	10.0	13.0
05	155	6	4	12.0	19.0	127	6	6	10.0	13.5
06	154	5	5	11.5	18.0	125	10	8	8.0	13.0
07	155	4	6	14.0	19.0	125	6	10	11.5	13.0
08	153	6	4	*12.0	*17.0	124	6	8	13.0	16.0
09	153	6	4	*14.0	*18.0	124	9	6	*13.0	*18.0
10	*157			*15.0	*20.0	*127			*12.5	*18.0
11	159	4	9	*11.0	*15.0	135	4	13	11.0	15.5
12	161	4	9	12.0	17.5	136	5	15	10.0	15.5
13	162	7	10	12.0	18.0	138	9	13	9.0	15.0
14	163	8	6	*9.5	*14.5	139	12	12	*7.5	*12.0
15	163	4	4	*10.0	*15.0	139	6	8	7.5	13.0
16	165	6	6	9.0	14.5	139	10	8	7.5	12.5
17	165	6	6	9.0	14.5	139	7	6	*7.0	*12.0
18	161	6	4	8.5	14.0	138	7	7	6.0	11.0
19	161	6	6	10.0	15.5	139	6	8	7.0	10.5
20	163	4	8	*10.0	*14.0	140	6	7	6.0	11.0
21	161	6	8	10.0	14.0	139	4	6	6.5	11.0
22	161	6	8	9.0	16.0	138	5	5	*6.5	*11.5
23	161	4	8	10.0	16.0	138	5	6	*8.0	*12.0

Hour (LST)	.160 Fam	Du	Dl	Vdm	Ldm	.495 Fam	Du	Dl	Vdm	Ldm
00	116	7	11	6.0	11.0	97	6	11	7.0	12.5
01	118	6	13	7.0	13.0	94	11	9	7.5	12.5
02	116	8	12	7.5	14.0	95	9	12	7.0	14.0
03	116	6	13	9.0	16.0	89	14	10	9.0	15.0
04	102	12	16	*10.5	*16.0	71	16	10	*4.5	*4.5
05	98	16	17	13.0	17.0	67	16	8	3.5	5.0
06	96	16	16	12.0	17.0	65	17	4	*4.0	*5.0
07	98	14	18	10.5	15.0	65	12	4	*4.0	*5.0
08	94	16	14	*13.5	*17.0	65	23	2	*4.0	*6.0
09	*103			*17.0	*24.5	*69			*3.5	*5.0
10	*104			*10.0	*17.5	69	14	6	*5.0	*5.5
11	106	15	25	9.5	16.5	76	21	11	*8.0	*13.5
12	114	8	24	12.0	18.0	86	20	21	*13.0	*19.0
13	116	12	22	*9.0	*16.0	93	18	26	*9.5	*16.0
14	121	10	12	*9.0	*14.5	95	17	20	9.0	14.0
15	120	10	11	9.0	15.0	99	14	28	6.0	9.5
16	121	9	14	7.0	12.0	92	17	21	6.5	13.5
17	120	10	12	7.0	14.0	91	20	16	7.0	12.5
18	119	8	14	7.5	13.0	89	16	15	*9.0	*14.0
19	120	7	14	5.5	10.0	95	8	12	6.5	11.0
20	122	4	13	6.0	10.5	97	8	10	5.0	9.0
21	120	5	11	6.0	10.0	99	4	13	5.0	9.0
22	122	2	13	6.0	11.0	99	3	13	6.0	8.5
23	120	5	12	7.5	14.5	97	7	11	7.5	120

Hour (LST)	2.5 Fam	Du	Dl	Vdm	Ldm	5 Fam	Du	Dl	Vdm	Ldm
00	72	8	8	5.0	9.0	65	6	6	5.5	8.0
01	70	10	8	5.0	9.0	65	6	8	4.5	8.5
02	72	8	9	5.5	10.5	63	8	4	5.0	8.0
03	70	8	6	5.5	10.0	63	4	4	*5.0	*8.0
04	66	8	8	7.0	11.0	61	6	6	4.5	8.0
05	56	6	10	4.0	6.0	55	7	6	6.0	8.0
06	52	4	8	3.0	4.0	51	6	8	4.0	8.0
07	50	4	6	2.0	3.0	49	4	8	5.0	7.0
08	48	6	4	2.0	4.0	47	4	8	4.5	6.5
09	48	6	2	3.5	4.0	47	2	4	4.0	4.5
10	*50			*2.5	*4.0	*47			*3.0	*4.5
11	52	5	4	*5.0	*7.0	49	2	4	4.0	6.0
12	54	14	6	5.5	7.0	50	5	5	*3.0	*6.0
13	56	17	6	7.0	14.5	52	11	7	5.5	8.0
14	56	20	10	7.0	11.5	53	16	6	*5.0	*9.0
15	56	22	8	5.0	10.0	57	7	10	6.5	11.0
16	60	18	12	8.0	10.0	59	8	10	4.5	8.0
17	58	16	8	5.0	7.5	61	6	9	4.0	8.0
18	64	10	6	4.0	9.5	65	7	6	4.5	7.0
19	70	9	7	5.0	10.0	69	6	6	5.0	7.5
20	74	8	6	4.5	8.0	69	6	4	5.0	8.5
21	74	8	5	5.5	10.0	69	6	8	5.0	9.0
22	74	7	8	4.0	8.0	67	6	5	4.5	8.0
23	73	8	8	5.0	9.5	67	6	8	5.0	8.5

Hour (LST)	10 Fam	Du	Dl	Vdm	Ldm	20 Fam	Du	Dl	Vdm	Ldm
00	43	10	6	5.0	7.0	26	2	2	1.5	2.5
01	44	7	11	5.0	7.5	26	2	2	2.0	3.5
02	43	8	9	4.0	6.5	26	2	2	2.0	3.0
03	43	6	9	3.5	6.0	26	2	2	2.0	3.0
04	43	7	6	4.0	6.5	26	2	2	2.0	3.5
05	45	6	4	4.5	7.5	26	0	2	2.0	3.0
06	43	6	4	5.0	9.5	26	2	2	2.5	3.0
07	41	6	4	5.5	7.5	26	2	1	3.5	5.0
08	37	8	2	5.5	8.0	27	3	1	2.5	3.0
09	38	6	3	6.5	8.0	*28			3.0	4.5
10	39	4	3	6.0	9.0	28	4	2	3.5	5.0
11	40	5	3	5.5	9.0	30	3	4	4.5	7.0
12	43	4	9	7.0	10.0	29	5	3	6.5	8.5
13	44	6	7	4.5	8.0	32	2	6	5.0	7.5
14	47	9	4	5.5	9.0	31	5	4	5.0	8.0
15	49	6	5	5.0	7.5	34	4	4	6.0	9.0
16	51	9	6	3.5	6.0	32	6	2	4.0	7.0
17	53	5	4	4.0	6.5	32	6	6	4.0	6.0
18	52	3	4	4.0	7.5	32	2	5	3.5	5.5
19	57	6	5	4.0	7.0	30	4	4	4.0	6.0
20	55	5	6	4.5	9.0	28	6	2	4.0	5.0
21	51	6	9	5.0	9.0	28	4	2	3.0	4.0
22	47	10	8	5.0	8.0	26	2	0	2.0	3.0
23	45	8	5	5.0	7.5	26	2	0	2.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Month March 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	161	3	2	10.0	15.5	135	6	2	9.5	15.0	112	7	4	7.5	13.5	95	8	4	*5.0	*10.0	65	6	3	5.0	10.0	58	4	5	5.5	9.5	44	4	6	5.0	8.5	22	0	0		
01	163	2	4	9.0	14.5	136	6	3	9.0	14.5	112	9	6	7.5	13.5	95	8	4	6.0	11.0	65	8	4	5.0	10.0	58	4	6	4.5	8.5	46	3	6	5.0	8.0	22	0	0	*3.0	*3.5
02	161	4	2	9.0	15.0	137	6	4	9.0	14.5	112	9	5	8.0	13.0	95	8	6	6.5	12.5	65	6	4	5.0	9.5	58	4	2	4.5	8.0	46	7	4	6.0	10.0	22	0	0		
03	161	4	2	9.0	15.0	135	7	4	10.0	17.0	112	4	4	8.0	14.0	95	6	6	7.0	13.0	65	6	3	5.0	9.5	61	3	3	4.5	9.0	44	5	4	5.5	8.0	22	0	0	*2.5	*3.0
04	161	4	2	9.5	15.5	135	6	4	10.0	16.0	110	8	3	8.0	14.5	93	6	2	8.0	14.0	65	4	4	5.0	9.0	60	2	4	*5.5	*9.5	40	6	4	*3.5	*5.5	22	0	0		
05	161	5	2	9.5	15.5	133	6	2	9.0	16.0	108	6	4	8.0	15.0	89	8	2	*8.5	*14.0	65	5	4	5.5	10.0	60	4	5	5.0	9.0	36	7	2	4.0	6.0	22	0	0		
06	163	1	4	10.0	16.0	128	5	3	9.5	15.5	90	10	4	*11.0	*16.5	47	16	4	*6.0	*9.0	61	6	2	5.5	10.0	56	2	4	5.0	8.0	44	4	4	3.5	5.0	22	2	0	*3.0	*4.0
07	159	3	3	10.5	16.5	125	4	7	*10.0	*18.0	82	16	13	12.0	20.0	41	20	0	*8.0	*9.0	39	6	5	8.0	14.0	40	7	4	5.0	9.5	42	5	4	4.0	7.5	24	2	2	3.0	4.0
08	159	4	4	10.5	17.0	121	8	5	10.0	15.5	82	16	11	*8.0	*13.5	41	21	0	*12.5	*17.0	29	8	7	*7.5	*10.0	32	7	7	7.0	11.0	36	7	5	4.5	6.5	24	2	2	*2.5	*4.0
09	159	4	4	12.0	19.0	121	8	8	*12.0	*19.0	84	16	12	11.0	20.0	41	20	0	*9.5	*11.5	21	6	2	*5.5	*8.0	26	7	8	8.5	14.0	32	9	6	4.0	6.0	24	2	2	3.0	3.5
10	159	4	4	*11.5	*18.5	122	7	9	13.0	21.5	86	14	10	*11.0	*19.0	43	12	2	*8.0	*13.0	19	5	0	*5.0	*6.0	20	11	6	*7.0	*11.0	28	12	2	*3.0	*5.0	24	0	4	*3.0	*4.0
11	158	5	3	*11.0	*19.0	125	6	11	13.5	21.0	88	15	10	*12.0	*20.0	47	16	6	*4.5	*6.5	19	15	0			22	8	8	*6.0	*9.0	28	9	4	*4.0	*6.0	22	4	0	*3.5	*5.5
12	159	4	4	12.0	19.5	125	8	10	9.5	16.5	90	14	8	*8.0	*15.5	49	14	8	*5.0	*7.0	19	14	0			20	18	8	*6.5	*8.0	28	9	4	5.5	8.0	22	4	2	4.0	6.0
13	159	5	4	11.0	17.5	128	4	11	8.5	15.0	92	14	10	7.0	13.0	49	15	8	*4.0	*6.0	19	19	0	*5.5	*6.0	22	14	8	*6.0	*7.0	30	9	6	*4.5	*7.0	24	2	2	3.0	5.0
14	161	2	4	*10.5	*17.0	129	4	6	*9.0	*14.5	*90			*7.5	*13.0	*43			*4.0	*6.0	19	9	0			25	15	6	*5.5	*8.0	32	6	6	*6.5	*8.5	26			*4.5	*7.0
15	*161			*9.5	*15.5	127	4	6	*7.0	*12.0	91	9	7	*6.0	*10.5	44	13	3	*6.0	*8.0	*20			*4.5	*6.0	29			*6.0	*9.0	35	5	5	*4.5	*7.5	26	2	5	3.5	5.5
16	161	4	4	*8.5	*14.0	129	4	6	7.0	12.5	94	14	9	*7.5	*13.0	47	23	6	*8.0	*13.0	27	16	6	*4.5	*7.0	38	16	8	6.0	9.0	42	6	4	*4.5	*8.0	26	4	2	3.5	6.0
17	162	3	3	8.0	13.5	129	4	6	7.5	12.5	96	12	10	8.0	12.5	63	10	8	*6.0	*12.0	41	10	7	5.5	10.0	45	7	5	4.5	8.0	44	6	3	4.0	6.0	28	5	5	4.0	5.0
18	161	4	3	8.0	13.5	129	5	4	*7.0	*12.5	104	8	5	6.0	11.0	85	7	4	5.0	9.5	55	7	7	4.5	8.0	54	4	6	4.0	7.0	48	3	6	4.5	8.0	24	4	2	3.5	5.5
19	161	2	4	9.0	14.5	133	2	6	7.0	13.0	111	3	6	5.5	11.5	96	4	8	5.0	8.0	65	5	8	4.5	9.0	59	3	6	4.0	7.5	48	2	6	4.0	7.0	22	3	2	*3.0	*5.0
20	163	4	6	9.0	15.0	135	5	3	8.0	14.5	112	5	4	6.0	11.0	97	5	5	5.0	9.0	67	5	8	5.0	9.0	59	4	4	4.0	8.0	46	4	6	3.5	7.0	22	1	2	*4.0	*6.0
21	162	5	3	9.0	14.5	137	3	6	8.0	13.5	112	5	5	6.5	11.0	97	7	5	5.0	9.0	68	4	9	5.0	9.0	60	5	3	5.0	8.0	44	5	8	5.0	9.0	22	0	2	*2.5	*3.0
22	161	4	4	10.0	15.5	137	3	6	8.5	15.0	112	7	6	6.5	11.0	95	9	4	5.5	10.0	67	6	9	5.5	9.5	58	4	5	*5.5	*9.5	44	4	8	4.5	8.0	22	0	2		
23	161	3	2	9.0	14.5	135	6	2	9.5	15.5	112	5	4	7.5	13.5	95	8	4	6.5	11.5	67	6	8	5.0	10.0	58	4	6	5.0	9.0	44	4	7	5.0	7.0	22	0	0		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month April 1963

Frequency (Mc)

Hour (LST)	.013 F_{am}	.013 D_u	.013 D_l	.013 V_{dm}	.013 L_{dm}	.051 F_{am}	.051 D_u	.051 D_l	.051 V_{dm}	.051 L_{dm}	.160 F_{am}	.160 D_u	.160 D_l	.160 V_{dm}	.160 L_{dm}	.545 F_{am}	.545 D_u	.545 D_l	.545 V_{dm}	.545 L_{dm}
00	159	3	2	7.5	12.5	133	2	4	8.5	14.0	108	6	5	7.0	12.0	88	8	6	6.0	11.0
01	159	4	2	7.5	13.0	133	2	4	8.5	13.5	109	4	5	7.0	12.5	90	4	6	6.0	11.5
02	159	2	2	8.0	13.0	133	4	4	8.0	14.0	108	6	4	7.0	12.5	90	4	6	5.5	11.0
03	159	2	2	8.0	14.0	133	4	4	8.5	14.5	109	5	5	7.0	13.0	90	4	6	7.0	12.5
04	159	2	2	8.0	14.5	131	5	3	9.0	15.5	108	4	7	7.0	14.0	88	6	4	6.0	12.0
05	159	2	3	8.0	15.0	130	5	3	9.5	15.5	106	5	7	9.0	16.0	86	6	6	6.5	13.0
06	159	2	4	9.0	15.5	127	4	6	9.0	14.5	92	12	6	*7.5	*13.5	57	9	11	*9.0	*20.0
07	157	2	3	9.0	16.0	121	5	4	9.0	15.0	70	18	6	*10.5	*16.0	*43			*8.0	*11.0
08	155	3	4	10.5	17.0	115	10	4	11.0	18.5	68	19	8	*10.5	*17.5	*44				
09	155	7	2	11.0	17.5	115	11	6	*13.0	*20.0	72	21	10	13.5	19.5	*42			*18.0	*26.0
10	153	4	4	12.0	19.0	115	8	6	*15.0	*23.5	76	12	12	11.0	14.0	*47			*3.5	*5.5
11	153	4	2	13.0	19.0	116	5	7	15.0	23.0	76	12	10	*13.0	*22.0	*50			*3.0	*5.5
12	155	2	4	13.5	21.0	117	8	7	14.5	22.5	78	16	9	*13.0	*21.0	52	5	10	*3.0	*6.0
13	155	4	4	13.5	21.0	119	6	4	12.0	20.0	80	17	8	*13.0	*20.5	52	4	8	*3.0	*4.0
14	157	2	5	12.0	20.0	121	6	6	10.0	18.5	85	11	14	*11.5	*20.0	*46				
15	*157			*10.5	*17.5	*121			*11.0	*19.0	86	15	16	*11.5	*20.0	48	14	6	*4.0	*7.0
16	157	4	2	9.0	15.5	121	7	6	8.0	15.0	86	13	12	9.0	18.5	50	18	8	*6.5	*11.5
17	157	5	2	8.0	14.0	123	6	8	9.5	16.5	94	11	11	9.5	18.0	76	12	15	*5.5	*10.5
18	157	2	2	7.5	13.5	126	5	9	9.0	16.0	106	3	13	8.0	18.0	88	7	6	6.0	11.5
19	159	4	2	8.0	13.5	129	5	6	10.0	17.0	108	5	8	8.5	16.0	92	6	6	5.5	11.5
20	159	4	2	7.5	12.5	131	5	4	9.0	16.0	109	6	5	7.0	13.0	92	9	6	6.0	12.5
21	159	4	2	6.5	11.5	133	2	4	8.0	15.0	110	4	6	6.0	13.0	93	7	7	5.5	11.0
22	159	4	2	7.5	13.0	132	4	4	8.5	14.5	109	6	5	6.0	12.5	92	6	9	5.5	11.0
23	159	3	2	7.0	12.0	133	2	4	8.5	14.0	108	6	4	7.0	13.0	89	7	5	7.0	13.0

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_l	2.5 V_{dm}	2.5 L_{dm}	5 F_{am}	5 D_u	5 D_l	5 V_{dm}	5 L_{dm}	10 F_{am}	10 D_u	10 D_l	10 V_{dm}	10 L_{dm}	20 F_{am}	20 D_u	20 D_l	20 V_{dm}*	20 L_{dm}*
00	59	8	5	6.0	11.0	54	4	4	5.0	10.0	42	2	5	3.5	6.0	22	0	0		
01	59	6	6	6.0	11.5	54	3	5	5.0	9.5	42	4	6	3.5	7.0	22	0	0		
02	59	6	6	6.0	11.0	54	3	5	4.0	7.5	40	5	3	*4.0	*6.5	22	0	0		
03	59	6	6	5.5	10.0	58	5	4	*4.0	*8.0	42	5	5	4.5	7.0	22	0	0		
04	59	6	4	5.0	11.0	58	4	6	5.5	9.5	40	4	6	3.0	5.5	22	0	0		
05	59	4	5	6.5	11.0	54	3	5	*5.0	*9.5	36	4	4	*3.0	*5.0	22	0	0		
06	57	5	6	*6.0	*13.0	52	4	4	*5.5	*9.5	38	4	4	3.0	6.5	22	2	0		
07	37	11	6	*6.5	*13.5	42	6	5	*4.5	*7.5	40	9	4	*4.0	*6.0	22	2	1	3.0	4.5
08	27	10	4	*7.5	*13.5	28	12	5	*8.0	*13.0	35	10	5	4.0	7.0	22	2	0	3.0	5.0
09	23	12	2	*6.5	*10.0	24	15	9	*8.0	*12.5	31	6	5	*3.5	*6.0	22	2	2	3.0	5.5
10	*23					20	9	6	*7.0	*12.0	28	6	4	*3.5	*5.5	22	2	4	3.0	5.5
11	*21			*4.5	*7.0	18	10	6	*7.5	*11.0	26	8	6	*6.5	*10.0	22	2	2	3.5	5.0
12	*43			*6.5	*14.5	16	16	4	*5.0	*9.0	26	11	6	*4.0	*6.5	22	2	2	4.0	5.5
13	*25			*4.0	*7.5	20	15	6	*6.5	*9.5	26	12	4	5.5	9.5	22	2	4	3.0	5.5
14	*26			*5.0	*8.0	24	11	8	*6.0	*12.0	31	11	7	*6.0	*11.0	*22			4.0	7.0
15	*33			*6.0	*13.0	*28			*6.0	*12.0	34	8	4	*7.0	*13.5	24	6	2	3.0	5.0
16	27	17	6	*6.5	*12.0	34	12	6	*5.0	*9.5	40	5	4	5.0	7.5	24	9	2	3.0	5.5
17	41	15	7	5.0	12.5	44	8	8	6.0	10.5	42	3	3	*6.0	*9.5	22	6	0	3.0	5.5
18	55	13	7	6.5	12.0	54	3	7	*5.0	*12.0	42	4	4	4.0	8.5	22	11	2	2.5	4.0
19	61	7	7	6.0	14.0	56	6	6	*5.0	*10.5	42	4	6	*3.5	*7.5	22	0	2	2.5	4.0
20	63	8	7	5.0	11.5	54	8	4	*6.0	*12.0	42	6	4	*4.5	*8.5	22	0	3		
21	63	8	9	6.5	12.0	54	3	12	5.0	11.5	42	4	5	3.0	6.0	22	0	2		
22	61	8	7	6.0	11.0	54	4	5	6.0	10.5	42	4	6	3.5	6.5	22	0	0		
23	61	7	8	6.0	11.5	54	6	6	*4.5	*8.0	42	3	7	*3.5	*6.5	22	0	0		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month May 19 63

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dl	Vdm	Ldm	.051 Fam	Du	Dl	Vdm	Ldm	.160 Fam	Du	Dl	Vdm	Ldm	.545 Fam	Du	Dl	Vdm	Ldm
00	159	4	2	7.5	13.0	131	7	2	8.5	14.0	111	7	4	7.5	14.0	89	11	4	6.0	12.0
01	159	2	2	8.0	13.5	133	5	4	8.0	14.0	111	6	6	6.0	13.0	89	11	6	7.5	13.0
02	159	2	2	8.5	14.0	133	2	4	8.5	14.0	109	7	4	5.5	10.5	89	8	4	7.0	12.5
03	159	2	2	8.5	14.0	131	6	2	8.0	13.0	109	9	4	7.0	13.5	89	8	6	6.5	12.5
04	159	2	3	8.5	14.0	131	6	2	8.0	13.0	109	7	4	8.0	13.0	89	6	7	7.0	14.0
05	159	2	3	9.0	15.0	131	4	4	9.0	15.0	109	5	8	8.0	16.0	87	7	6	7.0	13.0
06	159	2	4	8.5	14.5	129	5	4	8.0	15.0	103	7	7	*10.0	*17.0	75	8	11	*12.0	*21.0
07	157	2	2	8.5	13.5	121	8	4	7.5	14.0	81	26	12	13.5	22.5	49	27	6	*4.0	*6.5
08	153	4	2	9.0	15.5	119	11	7	9.5	15.0	83	26	17	12.0	22.0	47	29	6	*8.0	*13.0
09	155	4	4	10.5	17.5	119	12	10	11.5	19.0	81	26	14	*10.0	*18.0	51	24	10	*14.5	*21.5
10	155	4	4	12.0	18.5	117	12	8	12.0	19.0	85	24	18	*12.5	*20.5	47	31	6	*11.0	*18.0
11	155	4	2	12.5	19.0	117	10	8	11.5	21.0	83	24	14	*11.0	*18.5	47	30	6	*5.0	*7.5
12	155	2	4	14.0	21.0	117	12	8	13.0	20.5	81	24	10	*9.0	*17.5	47	27	6	*8.5	*12.5
13	155	6	2	11.5	19.5	117	14	8	*10.0	*19.0	81	27	13	*10.0	*16.0	51	33	10	*13.0	*18.0
14	155	4	2	11.0	18.0	117	12	8	11.0	18.5	*83					*47			*5.5	*9.0
15	*157			*9.0	*16.5	*119			*10.5	*20.0	97	27	18	*13.0	*23.0	55	41	12	*12.0	*21.0
16	157	2	4	8.5	15.0	121	13	9	10.5	18.0	93	22	15	10.0	21.0	61	29	8	*10.0	*19.0
17	155	4	2	7.0	13.0	121	15	6	10.0	18.0	99	21	10	9.0	19.5	79	18	7	*6.5	*15.0
18	157	5	5	8.0	13.0	127	13	10	9.0	17.5	107	14	13	10.0	19.5	87	13	8	7.0	15.5
19	159	3	4	7.5	12.5	133	8	10	9.0	16.0	111	12	11	7.5	16.0	91	13	6	5.5	12.0
20	159	6	2	7.5	13.0	133	10	6	9.0	15.0	111	11	8	6.5	14.0	91	13	4	5.0	11.5
21	159	6	3	7.5	12.0	133	11	5	7.5	13.5	111	13	6	6.0	12.5	93	10	8	6.0	12.0
22	159	6	2	7.5	12.5	133	10	5	8.5	14.5	111	12	5	7.5	13.0	91	12	6	6.0	12.5
23	159	5	3	8.0	13.0	133	6	5	7.5	13.0	111	8	6	6.5	13.0	89	12	5	6.5	13.0

Hour (LST)	2.5 Fam	Du	Dl	Vdm	Ldm	5 Fam	Du	Dl	Vdm	Ldm	10 Fam	Du	Dl	Vdm	Ldm	20 Fam	Du	Dl	Vdm*	Ldm*
00	63	10	7	6.5	11.5	55	5	5	5.5	10.5	40	4	3	3.5	6.5	22	1	1.		
01	63	8	8	7.0	12.0	55	5	6	*6.0	*11.0	42	2	4	4.0	6.0	22	1	1		
02	61	9	5	6.5	12.5	55	3	6	5.0	8.5	38	8	2	3.5	6.0	23	0	2	2.5	3.5
03	59	13	4	*7.0	*13.5	57	6	4	*5.0	*11.5	39	5	4	3.5	6.0	23	0	2	2.5	4.0
04	61	8	6	8.0	13.5	55	4	4	5.5	10.0	38	5	4	5.0	6.0	23	0	2	3.5	3.0
05	61	9	5	*10.0	*16.0	55	5	6	6.0	10.0	36	4	3	*4.0	*5.5	23	0	2	3.0	3.0
06	61	10	6	7.5	12.0	53	7	3	6.0	9.5	36	5	3	3.0	5.0	23	0	2	2.5	3.0
07	51	10	9	*10.0	*16.0	49	5	6	*8.5	*15.0	38	6	3	*5.0	*9.0	23	0	2	3.0	3.5
08	35	18	12	*10.0	*18.0	37	16	8	*9.0	*16.5	38	6	4	4.5	7.0	23	2	2	2.5	4.5
09	33	14	12	*12.0	*18.5	31	19	10	*9.0	*16.0	34	6	6	*8.5	*12.5	23	2	2	3.0	5.0
10	23	18	4	*8.5	*11.0	27	20	10	*9.5	*16.0	30	10	3	*11.0	*16.5	23	1	2	3.0	5.0
11	21	12	2	*6.5	*9.5	25	18	8	*6.5	*15.5	30	10	6	*7.5	*12.0	21	2	0	3.0	5.0
12	19	16	0	*7.5	*11.0	25	16	10	*8.5	*14.5	30	8	5	*5.0	*8.0	21	2	2	7.5	11.0
13	21	16	2	*5.5	*9.0	23	22	6	*11.5	*18.5	32	10	8	*6.0	*9.0	21	4	0	3.0	5.0
14	25	16	6	*8.5	*14.5	31	10	14	*11.0	*19.0	30	12	6	*10.0	*16.5	21	4	0	2.5	5.0
15	*29			*13.0	*21.0	*35			*13.5	*20.5	38	7	4	*6.5	*9.5	21	4	0	2.5	5.0
16	41	18	14	*7.5	*17.0	41	11	13	*7.5	*14.5	42	5	4	*5.0	*9.5	23	6	2	3.0	5.0
17	49	16	14	7.5	15.5	47	13	6	*8.5	*13.5	42	5	4	*6.0	*11.0	23	5	2	2.5	5.5
18	59	12	11	*7.0	*14.0	53	8	8	*5.0	*12.5	41	4	2	*4.0	*7.5	21	2	0	4.5	7.0
19	61	13	10	6.0	13.0	57	5	5	*7.0	*13.0	41	5	3	4.0	7.0	21	2	0	3.5	6.0
20	65	9	10	6.5	13.0	59	4	6	*5.5	*11.0	40	5	2	3.5	7.5	21	2	0	9.0	13.0
21	65	10	9	6.0	12.5	61	4	6	*3.0	*8.5	40	4	2	4.0	7.0	23	0	2	10.0	15.0
22	65	10	10	5.5	12.0	55	8	7	6.0	11.0	40	6	4	*5.0	*8.0	22	1	1	4.5	7.5
23	65	9	8	5.5	11.5	55	7	6	6.0	11.5	40	2	4	4.0	7.0	22	1	1	2.5	3.5

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin — Lat. 60-70 S Long. 37.5-52.5W Month March 19 63

Frequency (Mc)

Hour (LST)	.013 F_{am}*	.013 D_u	.013 D_ℓ	.013 V_{dm}*	.013 L_{dm}*	.051 F_{am}*	.051 D_u	.051 D_ℓ	.051 V_{dm}*	.051 L_{dm}*	.160 F_{am}*	.160 D_u	.160 D_ℓ	.160 V_{dm}*	.160 L_{dm}*	.495 F_{am}*	.495 D_u	.495 D_ℓ	.495 V_{dm}*	.495 L_{dm}*
00	155			9.0	15.0	128			6.0	11.0	102			4.0	8.5	88				
01	157			12.0	13.5	126			9.0	13.5	100			8.0	10.0	88			7.5	8.0
02	159			10.0	13.0	128			6.0	10.0	101			3.5	7.0	90			9.5	12.0
03	157			13.0	21.0	126			11.0	16.5	102			4.5	8.5	86			4.5	8.0
04	157			9.0	14.5	126			7.5	13.5	100			4.0	7.0	88			5.0	8.0
05	157			8.0	13.5	120			7.0	12.0	82			4.0	7.5	78				
06	153			8.0	15.0	116					72					64				
07	153			10.0	15.5	114			12.5	19.5	66			6.5	9.5	61			2.5	4.0
08	153			10.0	16.0	110			8.0	13.5	67			7.5	11.5	61				
09	154			12.0	18.0	106			13.0	20.0	67			11.0	17.0	60			3.5	6.0
10	152			10.0	16.0	107			11.0	18.0	65					61			4.5	8.0
11	154			10.0	16.0	110			9.0	16.0	62					62				
12	157			7.5	13.0	112			8.5	14.0	64			6.5	9.5	58				
13	157			10.0	16.0	116			11.0	17.0	65					60				
14	160			8.0	13.0	115			12.0	19.0	66					58			2.5	4.0
15	161			7.0	12.0	117			8.0	12.0	64					59			3.0	5.0
16	161			7.0	11.0	117					68			4.5	8.0	62			1.5	2.5
17	161			6.5	11.0	116			5.5	9.0	65					58			2.5	4.5
18	161			6.5	10.5	114			6.5	10.0	68					58			3.0	4.5
19	159			5.5	9.5	114			6.5	10.0	72					70				
20	157			6.0	9.5	117					86					86			4.5	7.0
21	156			6.0	9.5	120			6.5	9.5	91			4.0	7.5	86			4.5	7.0
22	157			8.0	13.5	124			8.0	13.0	96					88			6.0	10.0
23	157			7.5	11.5	126			7.0	10.5	98			4.0	7.0	89			4.0	7.0

Hour (LST)	2.5 F_{am}*	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}*	2.5 L_{dm}*	5 F_{am}*	5 D_u	5 D_ℓ	5 V_{dm}*	5 L_{dm}*	10 F_{am}*	10 D_u	10 D_ℓ	10 V_{dm}*	10 L_{dm}*	20 F_{am}*	20 D_u	20 D_ℓ	20 V_{dm}*	20 L_{dm}*
00	64			4.5	8.0	57			4.0	6.0	37			2.5	5.0	28			2.5	3.5
01	64			4.5	7.0	55			5.0	7.5	35			3.5	5.5	26			2.0	3.0
02	64			3.0	6.0	59			4.0	7.0	35			3.0	5.0	26			2.0	3.0
03	62			4.5	7.5	59			3.0	5.5	38			4.5	6.0	26			2.0	2.0
04	64			5.5	8.5	61			4.5	8.5	38			4.0	6.0	26			1.5	2.5
05	62			4.5	7.5	63			6.5	10.0	49			3.0	4.5	30			2.0	4.5
06	49					55			6.0	9.0	41			4.0	5.0	29			3.5	10.0
07	43			8.5	11.0	49			2.0	7.0	35			3.0	5.5	26			1.0	2.0
08	40			9.0	11.0	39					34			4.5	8.0	26			2.5	3.5
09	38			6.5	9.0	35			4.0	6.5	31			4.0	6.0	28			1.0	2.5
10	38			8.0	10.0	29			5.0	7.5	33			3.0	3.5	27			2.0	3.5
11	38			8.5	10.0	33			6.0	9.5	29			2.0	3.0	28			2.0	3.5
12	36			7.0	9.5	29			5.5	10.0	29			3.0	4.0	26			1.5	3.0
13	35			11.0	12.0	28			8.0	11.0	29			2.5	3.5	26			2.0	3.0
14	36			14.5	13.0	29			5.0	7.0	29			2.0	11.5	26			2.0	2.5
15	36			8.0	10.5	33			4.0	6.5	35			2.0	3.0	28			2.0	3.0
16	36			7.0	9.5	34			3.5	6.0	41			2.5	4.0	28			3.0	3.0
17	39			8.0	9.0	42			4.5	7.0	39			3.0	5.0	27			1.0	2.5
18	42			4.0	6.0	48			3.0	4.0	42			4.0	6.0	26			2.0	3.0
19	54			3.5	5.0	51			3.0	5.0	41			4.0	5.5	27			2.5	3.5
20	60			2.0	4.5	55			4.0	6.0	41			2.5	4.5	26			2.0	3.0
21	64			4.0	7.0	55			3.0	6.0	41			2.0	4.0	28			4.0	5.0
22	68			4.5	7.0	57			3.5	6.0	39			4.0	5.5	26			3.0	5.0
23	66			4.0	6.5	57			3.5	5.5	43			5.0	8.0	28			2.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 52.5-67.5W Month March 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	149					128					105					91					80			4.5	6.0	62			4.0	6.0	38			4.0	5.5	26			2.0	2.5
01	150					126					105					97					80			3.0	5.0	60			5.0	9.5	38			4.0	6.0	26			1.5	2.0
02	151					125					102					97					72			5.5	8.5	60			4.5	7.5	37					25				
03	157					138					104					98					74			7.0	10.5	60			5.0	8.5	41			4.0	7.5	27			2.5	3.0
04	154					128					110					96					74			5.5	8.5	61			3.5	8.0	39					28			4.0	5.0
05	>152					122					99					84					73			6.5	10.0	63			4.0	8.0	50					31				
06	161					118					89					74					60			7.5	12.0	57					49					30			6.0	7.5
07						118					84					66					56			4.5	7.0	46					44			5.0	8.5	27			2.0	3.0
08	141					113					85					60					47					43					37			5.0	8.0	28			2.5	3.5
09						115					80					74					40			6.0	9.0	36			6.0	10.0	35			5.5	10.0	29			2.0	2.5
10						114					88					68					38			7.0	11.0	41			6.0	10.0	36			6.0	8.5	27			3.0	4.0
11	159										94										38			6.5	11.0	40			5.5	9.5	35			6.5	9.5	26				
12	161										94										46			8.5	13.0	43					45					28			1.5	2.5
13	163					116					94					78					46					45					43			8.5	12.0	28				
14	167					118					98					82					42					>53					43					28				
15	167					130					100					92					46					57					49			7.0	11.0	30			3.0	4.0
16	167					127					116					98					60					57					47					30			3.5	4.5
17	167					132										90					68			11.0	14.0	61										32			2.0	4.0
18	165					130					112					98					72			6.0	8.0	69			3.0	6.0	49			4.0	5.0	42				
19	>167					132					97					89					>82			2.0	2.5	67					45					34				
20	158					116					99					94					71					59			3.0	10.0	45			4.0	6.0	29			3.5	4.0
21	151										101					80					67					>61			4.0	7.5	41					26				
22	152					126					103					92					71			8.5	11.5	>63			4.0	8.0	43			5.0	8.0	26			1.0	2.0
23	157					127					105					96					71			3.5	5.5	64			5.0	9.0	39			4.0	6.0	27			1.0	2.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 37.5-52.5 W Month March 19 63

Frequency (Mc)

Hour (LST)	.013 F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	.051 F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	.160 F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	.495 F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	155			12.0	18.0	123			8.0	13.0	94			7.0	13.0	88			7.0	12.0
01	158			13.0	19.0	128			8.0	13.5	102			2.0	5.0	89				
02	157			11.0	17.0	120			7.0	13.0	94			10.0	17.0	87			7.5	14.5
03	156			15.0	21.5	121			10.0	15.5	94			9.0	16.5	82			8.0	15.0
04	157			14.0	20.0	122			9.0	14.0	99			9.0	16.0	83			2.0	5.0
05	159			15.5	22.0	120			12.0	16.5	92					76				
06	159			15.0	21.0	116			9.0	14.0	76			11.0	15.0	54			2.5	3.5
07	147			13.0	19.5	116			8.5	14.0	70			10.5	12.0	55			3.0	4.5
08	146			11.0	17.0	114			10.5	17.0	69			6.0	10.0	54			2.0	3.0
09	159			10.5	19.0	113			8.5	13.5	68			8.0	10.5	52			4.0	6.0
10	154			10.5	17.5	115			13.5	18.0	72			9.5	13.0	53			2.0	3.0
11	157			12.0	17.0	108			13.0	18.0	72			7.5	9.0	53			2.5	4.0
12	159					112			9.5	15.5	75					54			2.5	4.0
13	160			7.0	12.5	116			9.0	14.5	78			9.5	15.0	55			2.0	3.5
14	161			9.0	14.0	118			7.5	12.5	80			8.0	13.0	54				
15	161			7.0	13.5	120					74			7.5	9.0	54				
16	161			7.0	12.0	118			6.5	11.0	70			7.5	11.0	54			3.0	7.0
17	161			7.0	12.0	118			5.0	9.0	69			7.0	9.5	53			3.5	5.0
18	161			6.5	11.0	115			7.0	11.0	71			4.5	7.0	58			2.5	4.0
19	159			8.0	13.5	118			6.0	10.5	82					70			6.5	12.5
20	161			8.0	14.5	116			8.0	14.0	89			6.0	10.0	84			3.5	8.0
21	159			8.5	14.0	126			4.5	9.0	101					86			5.0	10.0
22	159			7.0	14.0	124			6.0	12.5	92			6.5	11.5	82			5.5	10.0
23	155			11.5	18.0	121			9.5	15.0	95			7.0	12.5	87			8.0	15.0

Hour (LST)	2.5 F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	5 F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	10 F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	20 F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	64			5.0	8.0	53			5.5	9.0	39			4.0	5.0	29			2.5	3.0
01	62			6.0	9.0	55			5.0	7.0	41			4.5	7.0	32				
02	61			7.5	11.0	53			6.0	8.5	39			1.5	3.5	29			5.5	8.0
03	58			10.0	14.0	55			5.5	8.5	39			4.0	6.0	27			4.0	6.0
04	58			8.0	12.5	57					37			5.0	7.5	26			3.0	5.0
05	58			6.0	8.5	56			7.0	10.0	40					29				
06	51			9.0	12.5	55					38			2.5	4.5	27			2.0	3.0
07	35			6.0	13.0	47			4.5	9.0	36					28			5.0	7.0
08	42			4.0	6.0	35			4.0	5.0	35			4.0	5.0	28			3.0	5.0
09	37			2.5	4.0	33					35			7.0	10.5	29				
10	30			6.0	10.5	31			8.0	12.5	32			7.5	10.5	28			4.0	6.0
11	31			4.5	6.5	30			8.0	12.0	32			6.0	9.0	28				
12	26			4.5	6.5	31			8.0	11.0	31			6.0	9.0	28			3.5	5.0
13	26			4.0	6.5	28			8.0	12.0	31			8.0	11.0	27			2.0	2.5
14	28			3.0	4.0	32			8.0	12.0	33			6.0	8.0	27			3.5	4.5
15	30			3.0	4.5	32			8.0	12.0	34			6.0	8.5	27			3.0	4.5
16	30			5.5	10.0	34			8.0	11.5	38			5.5	9.0	28			2.5	3.5
17	40			6.0	9.0	51			6.0	9.0	40			5.0	9.0	28			2.0	2.5
18	45			4.0	6.0	50			2.0	3.0	40			3.5	5.5	27			2.5	3.0
19	58			5.5	8.0	53			6.0	8.0	41			3.5	5.0	26			2.0	3.0
20	66			5.5	7.5	55			8.5	11.0	39			4.0	8.0	28				
21	68					53			5.5	8.0	39			2.5	4.5	30			0.5	1.5
22	66			5.0	8.5	53			5.0	8.5	41			2.0	4.0	29				
23	62			5.5	9.0	55			6.5	10.0	38			4.0	6.0	29			1.0	2.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 52.5-67.5 W Month March 19 63

Hour (LST)	Frequency (Mc)																															
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	164					139					119					104					76			4.0	7.0	64			5.0	7.5	41			5.5	9.0	31				
01	163					137					105					101					76			5.0	7.0	62			5.0	8.5	39			3.5	5.5	28			3.5	5.0
02	162					138					118					105					76			4.5	8.0	63			4.0	6.5	37			3.0	4.5	28				
03	161					136					119					104					75			5.5	9.0	65			5.5	9.0	40			3.0	6.0	27				
04	161					136					118					103					75			5.5	9.0	767			8.0	11.0	45			5.5	10.0	32			5.0	6.5
05	163					135					114					100					77			5.0	8.0	66			5.5	8.5	44			5.0	7.5	28			2.0	4.0
06	161					133					116					104					67			9.0	14.0	58					40			4.0	6.0	32			2.0	4.0
07	160					134					114					95					71			8.0	12.0	60			8.0	12.5	42			3.0	4.0	39				
08	160					130					112					96					70			12.0	16.0	51					43			2.5	4.5	38			4.0	5.5
09	162					134					112					101					84					59					45					41			4.0	6.0
10	165					138					117					94					75			11.0	16.0	66			7.0	10.0	56					48				
11	171					141					114					102					60			8.5	12.0	68			5.5	8.5	45			3.5	8.0	34			2.5	4.0
12	166					128					102					98					62			5.5	9.0	67			5.0	9.0	43			5.0	8.0	38			2.5	5.0
13	166					131					98					73					41			6.5	9.0	41					41			2.5	3.5	34				
14	167					131					96					76					40			8.0	18.0						43			1.5	3.0	40			3.0	3.5
15	168					131					98					83					41			3.5	7.0	48			3.5	5.5	42			4.5	6.5	36			2.0	3.0
16	168					131					100					81					50			4.5	6.5	52			5.5	8.0	40			4.5	6.5	29			3.0	4.0
17	167					133					100					85					61					57					40			5.0	6.5	29			2.5	4.0
18	167					133					107					100					70			4.0	6.0	61			4.5	7.0	42			4.0	6.0	28			2.0	3.5
19	167					136					112					104					78			3.0	5.0	61			4.5	7.0	42			4.0	6.5	26			2.5	3.5
20	166					137					111					103					78			4.0	6.5	60			5.0	7.0	40			2.5	5.0	27			3.5	5.0
21	165					136					114					104					79			4.5	7.0	61			4.5	7.0	40			4.0	6.0	28			2.5	4.0
22	165					137					117					103					77					61			3.5	5.5	40			3.5	5.5	28			2.5	4.5
23	165					137					119					104					76			5.0	7.5	62			5.0	7.0	38					28			5.5	8.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60S Long. 22.5-37.5W Month April 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	149	4	9	10.0	16.0	120	7	6	8.5	13.5	94	7	8	7.0	11.0	81	8	10	7.5	13.5	58	7	4	3.5	7.0	53	5	5	4.5	7.0	33	10	6	2.0	4.0	30	4	2	2.0	3.0
01	149	2	3	11.0	17.5	118	9	5	8.5	12.0	93	10	9	9.0	15.0	79	12	5	6.5	11.5	58	6	4	*4.0	*7.5	53	4	4	4.5	7.0	33	7	5	2.5	5.0	30	2	2	2.0	4.0
02	149	4	8	12.0	18.0	118	5	7	9.5	15.0	93	9	7	7.5	13.0	79	9	5	7.5	12.0	58	5	3	4.5	7.5	52	7	5	*5.0	*8.0	32	4	4	2.0	3.5	30	0	3	2.0	3.0
03	148	5	5	11.5	17.5	120	6	10	10.0	15.5	93	7	7			80	10	7	8.0	13.0	58	8	4	5.0	8.0	49	8	3	4.5	8.0	33	16	5	2.0	4.0	30	6	4	2.0	2.5
04	149	6	6	12.5	18.0	118	7	10	11.5	17.0	94	8	10	9.0	14.5	79	11	4	11.5	18.0	56	7	3	4.5	7.5	51	10	4	5.0	8.0	35	9	6	3.0	5.0	28	4	0	2.0	3.0
05	149	6	7	13.0	19.0	118	9	5	10.5	16.0	93	9	12	9.0	15.5	83	8	11	6.0	11.5	58	4	7	6.0	10.5	54	6	5	5.0	8.0	37	9	3	*4.5	*7.5	30	8	1	*2.5	*4.0
06	149	6	12	12.0	18.0	118	8	10	11.0	17.5	87	16	9	9.5	16.0	64	24	8	5.5	8.5	57	7	5	*5.5	*10.0	59	>5	6	5.0	9.0	39	11	6	*2.5	*5.0	30	3	2	*1.0	*2.0
07	146	6	21	13.5	19.0	112	9	11	12.0	16.5	94	23	7	11.0	15.0	57	23	8	3.0	4.5	48	10	5	5.5	10.0	59	6	8	*4.0	*7.5	35	5	3	4.0	6.0	30	5	4	2.0	3.5
08	145	4	11	12.5	18.0	112	6	14	15.0	21.0	73	15	9	11.5	17.0	57	14	10	3.0	5.0	40	9	11	7.0	11.0	48	6	10	*5.0	*9.0	34	3	3	*3.5	*6.5	30	2	5	2.0	3.0
09	145	6	7	11.0	18.0	110	5	12	14.0	19.5	73	16	10	14.5	20.5	61	6	14	4.0	6.5	36	13	7	4.5	8.0	39	14	10	6.0	9.5	33	3	2	4.0	7.5	30	6	5	2.0	3.5
10	145	2	10	11.0	16.0	108	14	10	10.0	18.0	75	23	11	11.0	15.0	58	8	11	4.5	7.0	36	9	8	5.0	7.5	35	10	4	5.5	9.0	32	5	4	3.5	7.0	30	5	6	2.0	3.5
11	145	2	14	9.5	14.0	104	15	4	11.0	16.0	75	17	10	9.5	10.5	57	14	10	3.0	7.0	32	9	5	4.0	7.0	31	6	10	6.0	8.5	30	8	4	4.0	7.0	30	4	4	2.5	4.0
12	147	4	10	8.0	12.5	100	10	8	10.0	13.5	70	24	9			58	11	11	3.5	6.5	32	8	5	4.5	7.0	29	9	4	3.5	5.5	29	10	4	*3.0	*6.0	30	3	4	2.0	3.5
13	145	5	10	7.5	10.5	106	12	16	14.5	20.0	71	19	8			59	12	12	5.0	6.0	36	8	9	3.5	6.0	31	9	6	5.5	9.0	31	5	6	*4.0	*6.5	30	7	4	3.5	7.0
14	146	6	8	9.0	14.0	106	13	11	10.0	16.0	70	15	7	1.5	3.5	59	10	12	3.0	5.0	36	11	6	*5.0	*9.0	33	9	7	5.0	8.5	35	4	6	3.0	5.5	32	2	4	*2.5	*4.0
15	145	6	9	8.5	14.0	106	11	8	12.0	16.0	73	18	9	13.0	21.0	63	10	15	3.0	5.0	42	9	11	*3.0	*6.0	39	7	8	*5.0	*7.5	35	7	6	*2.5	*5.5	30	4	2	*2.0	*3.0
16	145	5	9	9.0	14.0	106	6	7	6.0	10.0	75	7	11	6.5	14.0	59	12	12	3.0	6.0	50	4	8	3.5	6.0	47	8	4	3.5	7.0	37	6	8	3.0	5.0	30	2	4	2.5	4.0
17	146	5	5	8.5	13.0	110	7	6	7.5	12.0	75	10	11	7.5	12.0	63	11	7	2.5	5.5	53	6	7	*3.0	*6.0	51	6	6	*5.0	*8.0	37	5	7	*3.5	*6.0	30	4	6	*2.0	*3.0
18	147	2	5	8.0	12.5	112	4	5	6.5	10.5	84	7	9	5.0	8.0	71	9	11	3.5	6.0	56	6	4	4.0	6.0	51	6	6	4.5	7.0	35	10	8	*3.0	*6.0	28	4	2	2.0	3.5
19	147	7	14	8.0	13.5	116	4	11	6.5	10.0	89	10	11	5.5	9.5	77	9	10	4.0	9.5	59	7	4	4.0	7.0	53	5	7	3.5	6.5	35	4	4	3.0	5.5	28	6	1	2.0	3.5
20	149	3	4	8.0	13.0	118	9	11	8.0	12.0	89	11	8	6.0	10.0	81	6	12	7.0	12.5	62	3	5	4.0	7.0	53	6	6	3.0	5.0	37	9	7	2.5	4.5	28	5	2	1.5	3.5
21	149	4	6	9.0	14.5	118	8	7	8.0	13.0	93	7	10	8.0	12.5	81	10	12	6.0	9.5	62	3	8	4.0	7.0	53	6	7	3.5	6.0	34	9	6	2.5	5.0	30	3	2	2.0	3.0
22	147	7	6	10.5	16.0	118	6	7	9.0	15.0	94	9	12	9.0	14.0	81	12	10	5.0	9.0	62	6	6	3.5	6.5	53	6	7	*4.0	*7.0	31	14	4	2.5	4.5	30	4	3	1.5	3.0
23	149	3	4	11.0	16.0	120	6	12	8.0	12.5	96	8	10	6.5	11.0	83	7	11	5.5	9.0	60	4	10	*3.0	*5.5	51	8	8	4.0	6.0	33	12	8	1.5	3.0	30	5	2	2.0	3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50S Long. 37.5-52.5 W Month April 19 63

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_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	154			12.0	18.0	130			9.5	15.0	111			4.5	8.0	97			4.5	8.5	72					59					43					30				
01	157			10.0	16.0	134			8.5	13.5	111			8.5	14.0	97			6.0	10.5	72					59					41					32				
02	157			13.0	19.0	128			6.5	11.5	111			8.0	14.0	97			7.5	15.5	76					59					41					32				
03	155			13.0	19.0	128			8.0	14.0	107			8.5	15.5	95			8.0	14.5	74					63					39					30				
04	153			11.0	17.0	130			10.5	18.0	107			12.0	17.0	95			6.0	12.0	74					61					41					31				
05	155			10.5	17.0	134			7.0	12.0	111			9.5	17.0	99			9.0	15.0	72					61					45					30				
06	157			12.0	18.5	124			9.5	16.0	99			10.0	18.0	83			10.0	18.5	73					55					47					31				
07	155			11.0	16.5	128			9.5	16.5	95			11.0	19.0	67			2.5	4.5	57					53					43					32				
08	153			9.5	15.0	120			6.0	10.0	93			6.5	11.0	61			2.5	4.0	51					47					43					31				
09	153			9.0	14.5	117			7.5	12.0	93			10.0	15.5	69			7.0	13.0	44					41					40					31				
10	155			8.0	13.5	118			8.0	14.5	93			10.5	16.5	63			11.5	19.5	36					39					35					30				
11	157			7.5	12.5	116			12.0	17.5	86			5.0	10.0	69			3.5	7.0	38					39					35					32				
12	154			9.0	14.0	120			6.5	12.0	101			9.0	15.5	65			3.5	7.0	33					41					37					32				
13	153			8.0	12.0	118			8.0	14.0	83			8.0	15.5	61			3.0	6.0	34					37					35					32				
14	153			7.5	12.0	120			7.0	11.5	84			5.0	9.0	59					32					39					37					30				
15	147					120			5.0	10.0	87			7.5	11.5	83			7.5	14.5	31					47					36					34				
16	157			7.0	11.5	134			8.5	15.5	105			8.0	13.5	89			9.0	17.0	50					51					41					32				
17	157			8.5	14.0	126			9.0	13.5	97			10.0	18.5	81			10.0	19.0	66					57					41					32				
18	153			8.5	14.0	124			5.5	10.0	105			11.0	18.5	91			10.5	18.0	68					61					41					32				
19	155			8.5	14.0	126			6.0	10.5	109			2.0	4.0	97					74					61					45					32				
20	156			13.5	19.0	130			11.0	16.5	115			8.0	14.0	103			4.0	8.0	76					61					43					32				
21	151			9.0	14.0	134			8.5	14.0	115			6.0	10.5	101			6.5	11.5	76					61					43					30				
22	155			10.0	15.0	135			7.5	12.0	117			7.0	11.5	101			10.0	17.5	76					61					45					30				
23	158			5.0	8.5	130			6.5	12.0	111			3.5	7.5	97			4.5	8.0	70					63					41					32				

F_{om} = medion value of effective ontenna noise in db obove ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = medion deviation of averoge 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. 30-40 S Long. 52.5-67.5 W Month April 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	155					140					119			5.0	9.5	109			4.0	8.5	74					61					39					30				
01	159			9.0	14.5	148			7.0	12.5	123			4.5	9.0	109					78					63					39					30				
02	155					142					121			5.0	9.0	109			4.0	7.5	78					65					39					30				
03	153					142					117			5.0	9.5	109					76					65					43					30				
04	159			16.0	22.0	146			6.5	11.5	119			5.0	9.5	107										63					39					36				
05	149					132					115			5.0	8.5	97					80					63					39					34				
06	151					130					105			5.5	10.0						72					63					41									
07	151			5.5	11.5	126					111			2.5	6.0	91										59					49					36				
08	159			7.0	14.0	126					103			4.0	7.0	83			4.5	10.0	54					53					49					34				
09	149										99					81			1.0	3.5	56					47					47					36				
10											101			7.5	12.5	77			6.0	12.5	46					47					45					34				
11						124					99					75					40					45					43					32				
12	155					124					97			10.0	14.5	71					38					43					41					32				
13						124					93					73					34					39					41					40				
14						124					93			8.0	12.0	69					48					41					41					34				
15	141					124					91					69			4.5	8.0	40					45					45					34				
16						116										67					45					53					45					34				
17	157			9.5	15.0	118			9.5	15.5	91					69					60					57					45					36				
18																										59														
19	151										105					91					70										47					36				
20	161			11.0	16.5	127					111			8.0	12.5	99					74					60					45					33				
21	154					132					113			9.0	15.0	104			8.0	13.5	73					59					41					36				
22	155			11.5	16.0	136			3.0	10.0											74					61														
23	157			10.0	16.5	146					121			7.0	13.5	107			6.5	12.5	78					57					39					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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 30-40 S Long. 37.5-52.5 W Month April 19 63

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	157			7.0	16.0	140			9.0	15.0	115			6.0	11.5	99					60					59					39					38				
01	157			9.5	14.0	140					117			4.0	8.5	105			5.5	10.5	62					61					45					42				
02	157			8.5	13.0	138					117			8.0	13.5	101					68					61					47					40				
03	155					138					113			7.5	12.0	99					74					59					49					32				
04	153					132			8.0	13.0	113			6.5	11.0	103			6.5	12.5	68					59					53					40				
05	153			11.0	14.5						105					99					74					57					45					40				
06						120					95					77					72					51					43					38				
07						120					85					45					48					43					45					34				
08	151			12.0	18.0	116			13.0	20.0	81			6.0	10.0	75					40					39					41					34				
09	135					116					89					67					48					39					41									
10	137					116					79			8.5	11.5	63			1.0	2.5	38										37									
11	135					116																				37														
12																																								
13																																								
14																																								
15																																								
16																																								
17																																								
18																																								
19																																								
20																																								
21																																								
22	155										113			6.0	12.0	103					70					59					39									
23	159			8.0	13.5	140			6.5	12.5	115			6.0	11.0	101					66					59					41									

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 USNS Eltanin Lat. 60-70 S Long. 22.5-37.5 W Month May 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*
00	*150			11.0	17.0	*118			10.0	15.0	*80			7.0	12.0	*68			5.0	9.5	51			4.0	8.0	*45			3.5	7.0	29			1.0	2.5	*26			2.0	3.5
01	*150			11.0	16.5	*120			8.0	13.0	*81			6.0	10.0	*66			7.0	11.0	48			5.0	9.0	*47			3.5	7.0	29			2.0	5.0	*26			1.0	2.0
02	*150			11.5	16.5	*120			9.0	14.0	*84			7.5	12.5	*66			8.5	13.5	51			4.5	8.5	*51			3.0	6.5	28			1.0	2.5	*26			1.0	2.5
03	*150			12.0	17.0	*121			8.0	13.0	*86			7.5	13.0	*70			7.0	11.5	49			5.0	9.0	*48			4.0	8.0	30			2.0	5.0	*26			1.0	2.5
04	*150			11.0	17.0	*121			11.0	17.5	*82			7.0	12.5	*68			8.5	12.5	51			5.0	9.5	*49			4.0	7.5	29			2.0	4.5	*26			1.0	2.5
05	147	5	3	9.0	14.5	119	5	3	10.0	15.0	86	4	8	12.0	14.0	68	8	7	7.0	13.0	49			4.5	8.0	53	2	14	4.5	7.0	34			3.0	4.5	27	3	1	2.0	4.0
06	149	3	4	11.5	16.5	120	5	8	10.5	15.5	83	8	7	13.0	21.0	77	11	9	10.5	18.5	53			7.0	11.0	58	10	18	3.5	8.0	32			3.0	5.0	*28				
07	148	6	3	13.5	19.0	117	4	3	11.0	17.5	74	7	8			71	9	4	5.0	7.5	51			7.0	12.0	*63			5.0	8.5	36			3.0	5.0	28	2	6	1.5	3.0
08	148	3	3	14.0	17.5	110	7	5	13.0	18.5	*70					65	5	7	5.0	7.5	45			7.5	10.5	63	3	21			32	4	4	2.0	4.0	26	1	6	2.0	3.5
09	147	6	3	13.5	18.5	107	7	2	14.0	19.5	*68					*68			2.0	5.0	42			7.5	11.5	*51			7.0	10.5	28			2.0	3.0	*25			1.0	2.5
10	*144			12.5	18.0	*108			13.5	19.0	*70			10.0	19.5	*68			3.5	7.0	41			9.0	11.5	*41			4.0	8.5	27			1.5	3.0	*25			1.0	2.5
11	*142			8.5	14.0	*106			13.0	17.5	*70			12.5	16.0	*66			3.5	6.0	41			9.5	13.5	*27			4.5	7.5	27			1.5	3.0	*26			1.0	2.5
12	*145			9.0	14.0	*105					*70			10.0	13.5	*65			4.5	7.5	43			8.5	12.0	*27			4.0	7.0	28			2.0	4.0	*26			1.0	2.5
13	*145			10.5	16.0	*103			13.0	19.5	*72			10.0	14.5	*63					43			9.0	12.5	*27			5.0	8.0	30			2.5	4.5	*25			1.5	3.0
14	*145			8.5	18.0	*104			13.5	22.0	*74			9.0	19.5	*65			4.0	7.5	47			8.0	11.0	*29			3.5	6.0	34			3.0	6.0	*26			1.0	3.0
15	*146					*106					*78			10.5	15.0	*69			6.5	9.5	45			8.0	11.5	*39			3.0	5.5	36					*26			4.5	7.0
16	*146			9.0	16.0	*111			11.0	18.0	*79			8.0	16.0	*68			10.0	15.0	49			4.5	8.0	*45			3.0	6.0	34			2.0	4.0	*26			1.0	2.5
17	*147			9.0	14.5	*112			9.0	12.5	*78					*68			4.5	10.0	51			3.5	6.5	*43			2.0	4.5	32			4.0	14.0	*26			2.0	3.5
18	*148			11.0	15.5	*114			8.5	14.5	*78					*69			8.0	13.5	53			3.0	6.5	*43			2.5	5.5	30			0.5	2.0	*26			1.5	3.0
19	*150			9.0	16.0	*116			7.0	12.5	*79			10.0	16.0	*70			6.5	10.0	55			3.5	6.5	*45			2.0	4.5	30			1.0	3.0	*26			1.0	2.0
20	*150			10.0	15.0	*118			10.0	15.0	*82			13.0	21.5	*75					56			4.0	8.0	*47			3.0	5.5	30			0.5	2.0	*26			2.0	3.5
21	*150			9.5	14.0	*118			7.0	12.5	*83			10.5	14.5	*74					56			4.0	8.0	*47			3.5	6.0	28			2.0	3.5	*27			1.0	2.0
22	*152			9.5	13.5	*118			9.5	15.0	*85			12.0	17.0	*71			11.5	15.5	55			3.0	6.0	*47			3.0	6.0	30			1.5	3.0	*26			2.0	3.0
23	*152			9.5	13.5	*118			8.5	14.0	*82					*68					53			5.0	8.0	*45			3.0	6.0	32					*26				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 22.5-37.5 W Month May 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	148	5	7	*8.5	*13.5	119	5	10	7.5	12.0	75	14	8	*5.0	*9.0	68	11	8	*4.0	*7.0	57	0	6	*3.5	*6.0	49	3	4	4.0	6.5	31	4	3	*2.5	*4.5	28	1	2	2.0	3.0
01	148	4	8	7.5	13.0	118	5	7	6.0	9.5	81	14	3	6.0	10.0	68	10	10	*5.0	*9.0	55	3	4	5.0	8.0	49	2	7	4.5	6.5	30	5	5	2.0	4.0	28	3	3	2.0	3.5
02	148	5	8	9.5	15.5	118	7	9	7.5	11.5	82	9	7	7.0	11.0	66	9	9	4.5	8.0	53	5	2	4.0	6.0	47	7	4	*4.0	*6.0	32	3	3	1.5	3.0	28	0	2	2.0	3.5
03	146	7	8	9.0	16.0	118	7	11	8.0	13.0	80	15	5	*6.0	*11.0	64	10	9	4.5	9.5	53	4	4	4.5	7.5	47	7	3	*3.0	*5.5	32	4	4	*2.5	*3.0	28	1	2	*2.0	*3.5
04	147	4	6	9.5	15.5	118	5	9	9.0	14.0	82	13	8	*8.0	*14.0	65	10	11	*4.5	*8.0	51	6	5	*5.0	*7.5	49	6	7	4.0	6.5	32	8	4	2.0	3.5	28	0	2	2.0	3.0
05	146	6	7	*11.0	*17.0	118	4	9	*10.0	*15.5	86	6	11	*7.0	*12.0	60	25	4	*6.0	*12.0	53	2	7	*6.5	*10.0	53	9	10	*4.5	*7.5	34	5	5	*2.5	*4.0	28	13	2		
06	148	3	8	10.5	16.0	116	7	8	9.0	15.0	88	5	11	*7.0	*10.0	67	7	12			53	10	8	*5.5	*8.5	58	6	7	5.0	9.5	34	15	5	2.0	4.0	28	6	2	2.0	3.0
07	148	5	8	11.5	16.5	113	5	7	*10.0	*16.0	72	11	2	*12.0	*17.0	62	8	11	*4.0	*6.0	51	8	8	*4.5	*8.0	61	5	11	*5.0	*10.0	34	6	4	*2.5	*4.0	28	1	2	*2.0	*3.5
08	146	4	8	*12.0	*17.0	107	6	9	*11.0	*17.5	74	3	9	*9.5	*12.0	62	5	6	*2.0	*4.5	44	11	11	*5.0	*8.5	59	7	11	*7.5	*11.0	34	4	7	*3.0	*4.5	26	2	0	3.0	4.5
09	144	4	10	11.5	17.0	104	8	10	*10.5	*16.5	68	10	6	*9.0	*12.5	64	3	10	*3.0	*6.0	41	3	9	*8.0	*10.0	52	9	11	*6.5	*11.0	32	7	5	*4.0	*6.5	26	4	1	3.0	4.0
10	144	3	8	*8.0	*12.5	102	5	6	12.0	16.5	69	11	7	*11.0	*15.0	62	7	4	2.5	4.5	39	5	4	*10.0	*12.5	40	7	7	*6.0	*11.0	30	6	5	*3.5	*6.0	26	3	0	*1.0	*2.5
11	144	5	6	8.0	13.0	100	4	7	*11.5	*17.0	70	14	8	*8.0	*13.5	63	5	6	*3.0	*5.5	40	4	10	5.5	9.5	25	12	2	5.0	7.5	30	4	2	2.5	4.5	28	1	2	*3.5	*5.0
12	144	4	4	*8.0	*12.5	96	8	6	*7.5	*12.5	69	16	7	*9.0	*15.0	62	6	4	*2.5	*6.0	37	6	7	7.0	10.0	27	3	5	3.5	6.0	30	4	4	*3.0	*5.0	28	1	2	2.0	3.0
13	144	4	4	*7.5	*13.0	96	8	5	*6.5	*9.5	66	11	4	*11.0	*15.5	62	5	6	*3.0	*4.5	41	5	9	*9.0	*12.0	29	5	4	*4.0	*6.0	34	2	6	*3.0	*5.0	26	5	0	1.5	3.0
14	144	2	5	7.0	11.5	96	13	4	*9.0	*12.0	71	3	7	*6.0	*8.0	63	6	8	*4.0	*6.0	42	4	10	*7.5	*9.5	37	4	7	3.0	5.5	34	5	4	3.0	6.0	28	2	2	1.5	3.0
15	144	2	5	*9.5	*14.0	98	9	6	*6.0	*8.5	78	12	12			66	9	4	*4.0	*8.0	43	6	4	*6.0	*8.5	41	7	5	*2.0	*5.0	41	20	7	*3.0	*6.5	26	4	2	*2.0	*3.0
16	146	4	8	*7.0	*11.0	104	11	7	*7.0	*10.5	74	12	8	*8.5	*12.0	70	10	7	*4.5	*8.0	49	4	4	*4.0	*6.0	47	4	5	*4.5	*7.0	34	10	4	*3.0	*5.0	26	8	0	2.0	3.5
17	146	2	8	*6.5	*11.0	110	7	6	*5.5	*8.5	74	16	7	*8.5	*10.5	70	6	5	*5.0	*11.5	53	4	7	3.5	6.0	47	5	6	*3.0	*6.0	34	8	4	*2.0	*4.0	26	2	2	2.0	3.0
18	148	2	9	7.5	12.0	112	9	9	*6.0	*10.0	76	10	6	8.0	12.0	70	6	4	3.5	6.5	57	2	13	3.0	5.0	47	4	4	*3.0	*5.0	32	10	2	2.0	3.0	28	1	2	2.0	3.0
19	148	2	7	7.0	11.0	112	10	6	*6.0	*9.5	80	6	9	*7.0	*11.5	72	6	4	*4.0	*8.0	57	6	2	3.5	5.5	47	6	4	3.0	5.0	32	4	2	*1.5	*3.0	28	1	2	*1.5	*3.0
20	148	2	8	8.0	12.0	114	7	7	*6.0	*10.0	80	11	9	*7.0	*10.0	72	10	6	*4.0	*8.0	57	6	6	*4.0	*6.5	49	4	4	*3.0	*5.5	32	5	4	2.0	3.5	28	0	2	1.5	3.0
21	148	3	6	*7.0	*12.0	112	8	7	*6.0	*10.5	80	12	7	*6.5	*10.0	74	5	10	4.0	7.5	57	5	4	*4.0	*6.0	47	6	2	3.5	5.5	32	5	6	*2.0	*3.5	27	2	1	2.0	3.0
22	148	4	4	8.0	13.0	114	5	8	*7.0	*11.5	80	9	5	*6.0	*10.0	69	6	6	*4.0	*7.5	57	3	8	*3.5	*6.0	47	6	4	*3.0	*5.5	30	4	4	*1.0	*2.5	28	0	2	2.0	3.0
23	148	4	8	8.0	12.5	116	7	8	*6.5	*11.0	84	9	9	*6.5	*11.0	68	10	4	*4.5	*8.0	56	3	5	*5.0	*8.0	47	4	6	*4.0	*6.5	32	2	5	2.5	4.5	28	1	2	*2.0	*3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5N Long. 17.3E Month March 1963

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm
00	150	3	1	8.0	13.0	115	4	0	7.0	12.0	96	5	5	*3.0	*6.0	80	16	8	*2.0	*4.0
01	150	2	2	9.0	15.0	115	3	0	7.0	12.0	100	6	6	*5.0	*8.5	78	16	6	*3.0	*5.0
02	150	2	2	9.0	14.5	115	2	3	7.0	11.5	99	6	6	*4.5	*8.5	78	10	8	3.5	5.5
03	150	2	2	9.5	15.5	115	2	3	8.0	12.0	99	6	6	*4.5	*10.0	74	16	6	3.0	5.5
04	150	2	2	10.5	16.5	115	2	4	7.0	12.0	97	8	8	*2.0	*7.0	68	14	2	4.0	7.0
05	150	2	2	11.0	17.0	111	4	2	9.5	14.5	99	4	16	*5.0	*8.0	60	12	4	*3.0	*6.0
06	148	3	4	10.5	17.5	107	2	6	10.5	16.0	83	9	7	*2.5	*6.5	58	4	2	2.5	4.0
07	145	3	3	11.0	18.0	99	8	4	12.5	17.5	85	6	4	*5.0	*9.5	57	5	5	2.0	4.0
08	144	4	2	10.5	17.5	93	4	2	9.5	13.0	89	8	6	*5.0	*9.5	56	4	4	3.0	5.0
09	142	4	2	10.0	16.0	93	7	4	*8.5	*11.5	87	11	10	*5.0	*9.5	54	6	4	2.0	4.0
10	142	4	2	11.0	17.0	93	8	6	*9.0	*13.5	89	4	6	*3.5	*6.0	54	4	2	*3.0	*4.5
11	144	2	2	10.0	14.5	*95			*11.5	*17.0	87	2	4	*3.0	*5.5	54	4	4	*2.5	*4.0
12	144	2	2	10.0	15.5	*91			*11.0	*15.5	89	6	6	*5.0	*10.0	53	3	3	*2.5	*4.0
13	145	3	4	8.0	14.0	*93			*7.0	*10.0	89	4	6	*4.0	*8.0	54	4	2	*3.0	*4.0
14	146	2	2	7.0	12.0	95	10	6	9.0	12.0	87	8	4	*5.5	*10.5	54	2	2	*2.5	*4.0
15	146	3	3	6.5	11.0	97	10	6	8.5	12.5	89	4	8	*6.5	*9.5	54	4	2	2.0	4.0
16	146	3	3	6.0	10.0	101	14	6	9.0	12.5	89	5	6	*3.0	*6.0	58	4	4	*2.0	*3.0
17	146	2	2	6.0	10.5	107	5	8	9.0	14.0	87	6	4	*4.0	*7.5	66	5	6	2.0	4.0
18	146	3	2	5.5	10.0	110	5	4	9.0	13.5	91	5	6	4.0	7.0	68	22	2	3.0	3.0
19	148	2	2	5.5	10.0	113	5	4	6.0	10.5	95	5	5	*4.5	*8.0	74	16	6	2.0	3.0
20	149	2	3	7.0	11.0	115	3	3	5.5	10.0	93	6	4	4.5	7.5	82	12	12	1.5	3.0
21	150	2	2	6.5	11.0	115	4	4	6.0	11.0	95	6	4	6.0	10.0	76	14	6	2.5	4.0
22	150	2	2	7.5	12.0	115	5	4	6.5	11.0	95	6	4	*4.0	*7.0	82	10	8	*3.0	*6.0
23	150	3	2	7.5	12.0	115	5	2	6.0	10.5	97	6	6	*5.5	*9.0	80	12	6	2.0	4.5

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm*	2.5 Ldm*	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	57	19	4	7.0	8.5	54	0	6	3.5	6.0	34	4	3	2.5	4.5	19	2	0	0.5	2.0
01	56	9	4	2.5	5.0	52	2	5	3.0	5.5	34	3	3	1.5	3.5	19	2	0	1.0	2.0
02	56	9	3	1.5	4.5	52	2	6	*3.0	*6.0	32	4	2	1.5	3.5	19	2	0	*1.0	*3.0
03	56	6	6	6.5	10.5	52	4	4	*5.0	*10.0	32	4	2	1.5	3.5	19	2	0	*1.0	*3.0
04	56	11	4	4.0	6.5	50	2	8	*9.0	*13.0	32	2	2	1.0	2.5	19	2	0	*1.0	*3.0
05	54	10	2	5.0	9.0	51	7	3	*2.5	*4.5	36	9	4	*2.5	*4.5	19	2	0	*1.0	*3.0
06	52	12	8	10.0	16.5	48	2	4	*3.5	*7.0	38	8	4	*7.0	*10.0	19	2	0	*1.0	*3.0
07	*44			8.5	12.5	44	4	2	*3.5	*6.5	40	8	4	*2.0	*5.0	19	2	0	1.0	3.0
08	36	8	4			40	12	4	*4.0	*6.0	42	7	5	*7.5	*10.0	19	2	0	1.0	2.0
09	36	9	6	5.5	11.5	38	6	6	*2.5	*5.0	42	6	6	*3.0	*10.0	19	4	0	1.5	3.5
10	36	2	4	4.0	6.5	34	4	2	*3.0	*4.5	46	7	9			19	2	0	*1.0	*2.5
11	36	2	4	3.0	6.0	34	4	4	*4.5	*7.5	*44			*10.0	*17.5	19	4	0	*1.5	*3.5
12	35	3	3			32	6	2	*1.0	*3.5	46	8	10	*15.0	*14.5	21	0	2	*2.0	*3.5
13	34	6	4	3.5	8.0	34	5	4	*5.0	*8.0	*49					20	3	1	1.0	3.0
14	36	6	3	2.5	4.5	36	5	4	*5.0	*8.0	48	8	9			19	3	0	1.0	3.0
15	38	8	7	2.0	4.0	38	12	4	*4.0	*6.5	44	4	4	*4.0	*6.5	19	2	0	1.5	3.0
16	42	12	4	4.0	7.0	44	11	2	*6.0	*9.0	48	13	8	*4.5	*7.0	19	2	0	1.0	2.5
17	*51			5.5	12.5	50	8	2	*2.0	*4.5	48	21	8	*12.5	*21.0	19	2	0	1.0	2.5
18	*56					54	11	4	*3.0	*6.5	48	24	9	*3.5	*6.0	19	0	0	1.0	2.5
19	62	12	4	5.5	10.0	54	4	2	*3.5	*6.0	42	18	3	*2.0	*5.0	19	0	0	1.0	2.5
20	60	6	6	4.0	8.0	54	4	4	*3.5	*6.0	40	17	4	3.0	5.5	19	0	0	1.0	2.5
21	60	8	5	5.0	10.0	56	0	6	*2.5	*6.0	38	6	6	2.0	4.0	19	0	0	1.0	2.5
22	60	7	6	5.0	8.0	54	4	6	3.5	6.5	38	7	8	2.5	4.5	19	2	0	1.0	2.5
23	60	8	6	5.0	7.5	54	3	6	*2.0	*4.5	35	6	3	2.5	4.5	19	2	0	0.5	2.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5N Long. 17.3 E Month April 1963

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	150	2	1	8.5	14.0	119	2	4	*7.0	*12.5	97	5	7	6.0	10.0	74	18	4	*6.5	*10.5	*60					53	6	4	3.5	6.5	37	8	4	3.5	5.0	19	2	2	1.0	3.0
01	150	2	1	7.0	12.5	117	4	2	6.5	12.0	98	4	4			74	21	6	2.0	4.0	60	4	5	4.5	10.5	53	5	4	3.0	6.0	35	6	4	2.5	4.5	19	2	2	1.0	3.0
02	150	2	1	8.5	15.0	117	4	2	7.0	12.5	94	8	2	4.5	10.0	72	12	5	*4.0	*7.5	*59			3.5	9.0	52	2	4	3.5	6.5	34	6	3	2.0	4.0	19	2	2	1.0	3.0
03	150	2	2	9.5	15.5	115	4	4	8.0	13.5	100	6	10	6.0	11.5	62	18	6	*2.5	*5.0	*56			5.5	10.0	49	6	2	4.0	7.0	33	6	2	1.5	3.5	19	2	2	1.0	2.5
04	150	2	3	10.0	17.0	111	5	3	8.5	14.5	86	14	14	2.5	5.5	58	8	8	4.0	6.5	*60			4.0	7.0	49	4	2	3.5	6.5	37	6	4	*3.5	*6.0	19	2	2	1.5	3.0
05	146	4	2	10.5	17.0	103	10	2	7.5	15.0	80	2	4	2.0	5.0	56	4	4	*1.0	*3.5	*50					47	6	6	3.5	6.5	39	10	4	*1.0	*3.0	19	2	2	1.0	3.0
06	146	1	4	11.5	17.5	99	6	3	9.0	14.0	82	6	6	3.5	6.0	54	4	2	*2.5	*4.0	*45			1.5	3.5	41	6	4	*5.0	*6.5	40	9	5	*2.5	*5.0	19	2	2	1.5	3.0
07	144	3	3	10.5	17.0	95	5	4	8.5	13.5	85	5	5	3.5	7.5	52	6	4	*3.0	*5.5	*40			9.5	14.0	37	6	2	*7.5	*10.0	39	9	2	*6.0	*7.0	19	2	2	1.5	3.0
08	144	2	2	11.0	17.0	95	4	4	8.5	13.0	86	2	7	4.5	7.0	52	5	2	*1.5	*4.0	*38					33	8	3	*2.5	*5.0	41	6	2			19	2	2	*2.0	*3.0
09	144	3	2	9.5	15.0	*99			*10.5	*16.0	*82			3.0	6.0	52	2	4	*2.0	*4.0	*36					32	4	5	*3.0	*6.5	43	10	6			19	2	2	*1.5	*3.0
10	146	2	3	9.0	15.0	*104			*9.0	*15.0	82	6	6			50	6	2	*2.5	*5.0	*34			4.0	8.0	29	6	4	*8.0	*11.0	44	11	9	*10.5	*18.0	19	3	2	*1.5	*3.0
11	146	4	2	8.5	14.0	*102			*9.5	*14.0	85	3	5	4.0	7.5	50	7	2	*2.0	*5.0	34	6	4	4.0	12.5	*31					47	4	8			*19			*1.0	*3.0
12	148	6	2	*7.5	*12.5	*109			*12.0	*19.0	88	0	6	4.0	7.5	51	6	3	*3.0	*6.0	36	2	6	4.0	6.0	*31			*10.5	*17.0	43	8	8			20	2	1	*2.0	*4.0
13	149	6	3	7.5	12.5	117	4	10	*11.5	*16.5	84	12	8	5.0	7.5	52	4	3	*3.5	*6.0	*33					*35			*4.0	*7.5	46	6	7			21	3	4	*2.0	*4.5
14	152	4	4	7.5	12.5	108	16	9	11.0	16.5	86	10	6	4.0	7.0	52	7	3	*3.5	*6.0	*38			1.5	5.0	35	9	5	*5.0	*9.5	47	6	3			21	4	2	2.0	4.0
15	150	6	2	7.0	12.0	105	22	9	*12.5	*18.5	84	14	8	5.5	11.0	54	6	4	2.5	5.0	40	4	7	4.0	7.0	39	10	6	*6.0	*10.5	47	4	2	*6.0	*11.5	19	4	2	2.0	3.5
16	150	6	4	7.0	11.5	105	23	8	*13.5	*20.0	88	10	12	7.0	12.5	54	6	4	*2.0	*4.5	44	10	8	4.0	8.0	47	8	10	*6.0	*9.5	53	6	6	*11.0	*14.5	20	5	3	2.0	4.0
17	148	7	2	6.5	10.5	111	16	4	*13.0	*19.0	86	10	4	3.0	6.0	60	17	4	*1.0	*3.0	50	6	8	3.0	9.5	49	6	4	3.0	5.5	47	8	2	*4.0	*6.0	19	4	2	1.5	3.5
18	148	6	2	6.0	10.5	115	9	5	11.0	16.0	90	8	2	4.0	7.5	68	6	7	*1.0	*3.5	55	5	7	8.0	12.0	55	6	4	*6.5	*10.5	47	12	4	*4.0	*8.0	19	4	2	1.5	3.5
19	148	4	2	5.5	10.5	116	7	1	*8.0	*12.0	96	4	4	2.5	6.5	76	5	4	*1.5	*3.5	62	6	7	6.0	10.0	57	4	5	3.5	6.5	47	14	4			19	4	2	1.0	3.0
20	148	4	0	4.5	8.5	119	4	4	6.0	11.0	99	5	5	2.5	6.5	77	13	8	*3.0	*5.0	60	7	3	4.0	8.5	57	6	4	2.5	5.5	45	5	4	3.5	6.5	19	2	2	2.0	3.5
21	150	2	2	6.0	11.0	119	3	3	6.0	11.0	98	8	6	2.5	7.0	80	10	6	*1.0	*2.5	*64			6.5	11.0	57	4	4	3.5	5.5	42	3	5	3.0	6.0	19	2	2	1.0	3.0
22	150	2	2	6.0	11.0	119	4	4	*5.0	*9.0	99	8	7	3.5	7.5	74	19	2	*1.0	*2.5	62	4	6	3.0	7.0	55	4	2	3.0	6.0	39	4	2	2.5	5.5	19	2	2	1.0	3.0
23	150	2	2	7.0	11.5	119	4	4	6.5	12.0	98	4	8	4.5	8.0	74	16	4	*1.5	*2.5	*62			5.5	9.0	56	4	5	3.0	6.0	37	6	2	3.5	6.0	19	2	2	1.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month May 1963

Frequency (Mc).

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm*	Ldm*
00	152	6	2	*10.5	*17.0	125	8	6	11.0	17.0	104	6	6	*8.0	*15.0	75	15	6	6.0	12.5
01	152	6	2	11.5	17.0	123	8	6	10.5	17.0	106	4	4	*7.0	*12.5	75	12	6	10.5	18.0
02	152	4	2	*9.5	*15.5	122	7	7	*12.0	*18.0	102	6	9	*6.0	*11.0	69	8	8	5.0	7.5
03	152	4	2	10.0	16.0	117	12	5	13.5	18.0	98	8	17	*12.5	*18.5	57	13	4	2.0	3.5
04	150	2	2	11.0	17.5	115	8	6	*16.0	*24.0	76	17	4	*2.0	*4.5	57	6	5	2.0	3.5
05	148	4	2	11.0	17.0	109	10	12	*12.5	*19.0	80	10	8			55	5	4	2.0	4.0
06	148	4	4	12.0	18.0	99	19	4	*16.0	*24.5	82	6	6	*5.0	*8.0	52	9	3	1.5	4.0
07	146	5	2	*12.5	*18.0	101	20	5	*12.5	*18.5	84	10	6	*13.5	*18.5	53	12	4	1.5	4.0
08	148	4	2	*8.5	*14.0	*115			*14.5	*20.0	87	8	13	*17.0	*22.0	55	9	6	3.0	5.0
09	150	4	2	12.0	17.5	*117			*13.5	*21.0	86	10	10	*5.5	*9.0	54	6	4		
10	154	3	6	*12.5	*19.0	125	4	6	*13.5	*20.0	91	7	7	*10.0	*15.0	57	13	6	2.0	4.0
11	158	2	8	11.0	17.5	127	2	13	10.0	17.5	94	7	9	*10.0	*14.5	61	14	10	2.5	5.0
12	160	2	8	10.0	16.0	129	2	14	*10.0	*16.5	98	9	11	*9.5	*15.5	61	17	9	2.5	4.5
13	160	4	6	*10.0	*16.5	131	2	11	9.5	15.5	100	9	15	*8.0	*14.0	70	15	16	6.0	14.0
14	162	2	8	9.5	15.0	131	4	10	9.0	15.5	103	9	15	8.0	15.0	71	16	16	7.5	16.5
15	162	2	6	9.0	14.0	131	6	2	9.5	16.0	104	8	13	9.5	17.0	75	12	22	8.5	15.0
16	160	4	5	9.5	15.0	131	6	4	10.0	17.0	104	6	12	11.0	17.5	70	15	13	9.0	16.0
17	160	2	5	10.5	15.5	129	6	7	12.5	19.5	102	10	13	11.0	18.0	67	18	10	4.0	6.0
18	158	4	5	*10.0	*15.0	129	5	9	13.0	19.0	103	5	15	11.5	17.5	75	9	15	6.0	13.0
19	156	4	6	10.0	16.0	126	5	11	*12.0	*19.0	100	8	12	*9.0	*16.0	77	6	11		
20	154	5	4	9.5	14.5	127	4	10	*13.0	*20.0	100	8	8	*10.0	*16.5	75	9	6	4.0	7.5
21	154	4	4	*7.0	*11.5	127	4	6	*12.0	*19.0	104	6	6	8.5	14.0	81	10	10	5.0	10.5
22	154	4	4	9.0	14.0	127	6	6	*10.0	*15.5	108	4	8	7.0	13.0	77	14	8	8.0	15.0
23	152	5	2	10.5	16.0	127	6	8	*10.0	*14.5	106	8	8	*8.0	*13.5	81	11	11	8.0	17.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm*	Ldm*	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	64	10	4			59	6	8	4.0	8.0	43	8	4	3.0	6.0	20	0	4	1.0	2.5
01	63	9	7	7.5	11.5	55	8	4	5.0	8.0	41	14	4	3.5	6.0	18	2	2	1.0	2.5
02	58	12	4	8.0	12.5	55	6	4	4.5	8.0	43	6	8	4.0	6.0	18	2	2	1.0	2.5
03	59	5	7	8.5	12.0	52	7	3	5.0	9.0	43	6	6	*4.0	*7.5	18	2	2	1.5	2.5
04	*48			4.5	7.5	48	7	5	5.5	9.0	41	6	2	*3.5	*6.0	18	2	2	1.0	3.0
05	*48					41	6	4	*6.0	*10.0	41	8	4			18	2	2	1.0	3.0
06	*40			6.0	12.0	38	10	4			39	8	6	*3.0	*5.0	18	2	0	1.0	3.0
07	38	12	4	4.5	7.5	37	6	6	*4.0	*6.0	37	10	2	*2.0	*4.0	19	1	3	1.5	3.0
08	37	12	3	3.0	5.0	33	8	5	4.0	7.0	40	12	5	*5.5	*8.5	20	2	2	1.5	3.0
09	34	18	5	4.5	7.0	33	10	7	4.0	6.5	43	10	4	*5.0	*8.5	20	4	2	1.5	3.5
10	*37			3.5	6.0	33	7	9	6.5	10.5	43	14	4	*5.0	*9.0	20	4	4	2.0	3.5
11	34	4	5	5.0	7.5	37	5	9	4.0	9.0	45	9	4	*5.0	*9.5	20	4	2	2.0	4.0
12	37	8	6	7.0	10.5	39	5	9	6.0	10.0	45	5	2	*5.0	*9.5	20	4	2	2.0	3.5
13	37	7	6	4.5	7.5	41	6	11	6.0	11.0	47	4	3	*8.0	*12.5	22	2	4	2.0	4.0
14	38	8	5	5.0	7.0	45	6	11	5.5	10.5	49	2	4	*5.0	*9.0	22	4	4	2.0	3.5
15	44	8	8	2.5	5.5	49	5	6	5.5	11.0	50	7	5	5.0	7.5	22	4	4	2.0	4.0
16	45	5	8	5.0	9.5	51	4	6	6.5	13.0	52	3	5	4.0	7.5	22	4	4	2.0	3.5
17	48	5	5	5.0	10.0	53	6	6	6.5	11.5	51	4	4	4.5	8.0	22	4	4	2.0	4.0
18	52	8	5	6.0	11.0	57	4	6	6.5	12.0	51	9	4	6.0	9.5	22	4	2	2.5	4.5
19	58	2	6	7.0	10.5	59	4	4	5.0	10.0	50	12	3	6.5	10.5	22	4	2	2.0	4.0
20	64	2	4	4.5	10.0	61	4	4	4.5	8.0	53	17	6	*6.0	9.5	22	4	4	2.5	4.0
21	68	2	8	4.0	9.0	61	4	6	3.5	6.5	48	27	3	4.5	8.0	20	4	2	1.0	2.5
22	*67			6.0	10.5	61	6	6	4.5	8.0	46	9	3	2.5	5.0	18	2	2	1.5	3.0
23	67	5	7	5.0	10.5	59	6	4	3.0	6.0	45	17	5	4.0	7.0	20	0	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month March 19 63

Frequency (Mc)

Hour (LST)	.135 F_{am}	D_u	D_l	V_{dm}	L_{dm}	.500 F_{am}	D_u	D_l	V_{dm}	L_{dm}	2.5 F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	109	7	9			89	10	8			71	8	13		
01	105	11	6			89	10	8			71	7	12		
02	105	11	8			86	14	5			71	8	13		
03	105	10	8			87	11	7			71	7	12		
04	102	14	8			84	10	8			67	11	9		
05	100	14	7			79	16	8			67	10	9		
06	94	13	5			63	14	5			59	10	6		
07	89	17	5			58	8	4			48	14	6		
08	88	13	5			53	8	4			38	10	5		
09	89	10	6			54	7	3			35	5	4		
10	91	7	8			54	5	4			32	3	4		
11	91	8	8			55	5	3			31	3	2		
12	92	4	7			58	5	4			31	6	2		
13	91	9	6			57	6	3			31	6	1		
14	91	7	6			57	6	2			32	3	2		
15	90	8	5			57	6	3			33	4	1		
16	93	5	8			59	6	3			39	4	3		
17	93	7	7			60	5	3			45	8	4		
18	96	10	10			67	14	5			58	7	5		
19	101	12	10			79	11	7			63	12	6		
20	107	10	7			87	10	11			69	11	8		
21	109	10	7			87	13	7			69	10	6		
22	110	7	8			91	10	9			71	6	8		
23	112	6	11			90	12	8			73	6	14		

Hour (LST)	5 F_{am}	D_u	D_l	V_{dm}	L_{dm}	10 F_{am}	D_u	D_l	V_{dm}	L_{dm}	20 F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	57	10	3			33	4	2			24	0	1												
01	57	9	4			33	2	1			24	0	1												
02	57	10	6			33	3	1			24	1	1												
03	57	10	6			33	2	1			24	1	1												
04	56	10	6			35	2	1			24	1	1												
05	55	9	5			35	2	2			24	1	1												
06	55	6	4			36	4	1			24	1	1												
07	49	7	4			38	5	2			24	1	1												
08	40	10	3			38	6	2			27	1	1												
09	37	9	3			37	5	3			27	1	1												
10	34	6	4			36	4	2			27	1	1												
11	31	7	2			36	4	2			27	1	1												
12	30	8	2			36	3	3			23	3	1												
13	31	9	3			36	5	2			24	1	2												
14	33	6	3			37	4	2			24	1	2												
15	36	5	4			39	4	3			24	1	2												
16	41	8	3			42	9	4			24	1	2												
17	50	6	4			44	11	4			24	2	2												
18	55	9	4			44	14	4			24	2	2												
19	58	9	5			40	4	3			24	2	2												
20	62	8	7			38	4	3			23	1	1												
21	61	8	6			37	2	4			23	1	1												
22	63	4	9			35	3	3			23	1	1												
23	63	4	9			34	3	2			23	1	1												

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month April 19 63

Hour (LST)	Frequency (Mc)																																					
	.135					.500					2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	109	16	8			92	15	8			74	11	12			63	6	9			37	2	2			26	0	1											
01	107	17	6			90	17	7			73	12	10			62	7	10			36	3	1			26	0	1											
02	108	13	9			90	14	8			72	11	10			61	6	8			36	3	1			26	0	0											
03	107	14	8			90	12	9			71	9	10			59	6	6			36	3	1			26	0	0											
04	107	11	8			85	14	7			71	8	9			58	5	4			35	2	1			26	0	1											
05	101	11	4			74	13	6			64	10	5			58	6	5			36	2	2			26	0	1											
06	96	17	7			64	9	7			51	9	4			52	8	6			38	1	3			26	1	0											
07	95	12	7			62	8	6			45	9	3			46	8	4			39	4	3			26	2	1											
08	97	6	9			61	6	6			36	6	3			39	7	4			38	3	4			27	2	1											
09	97	8	9			60	7	5			32	6	3			34	12	3			36	3	3			27	1	1											
10	97	10	10			61	6	6			31	5	3			31	6	2			35	2	3			26	2	1											
11	96	9	9			61	6	6			30	6	2			30	4	2			35	2	4			26	2	1											
12	97	11	8			64	6	6			30	7	2			34	4	2			34	4	2			26	2	1											
13	97	11	7			64	8	6			31	9	2			35	5	3			35	4	2			26	3	1											
14	97	11	8			65	7	6			32	7	3			37	5	3			36	6	3			27	2	2											
15	98	13	8			66	11	6			33	8	3			40	8	5			37	6	2			26	3	1											
16	96	14	6			66	7	7			36	9	3			43	9	4			42	6	5			27	4	1											
17	97	18	6			66	7	6			42	13	5			51	9	7			44	6	5			29	3	2											
18	101	15	8			69	10	6			56	13	11			60	9	8			43	8	4			28	2	1											
19	103	14	6			79	16	10			65	10	9			64	8	6			44	7	4			28	2	1											
20	110	13	6			88	10	10			74	8	8			65	9	6			44	6	3			26	2	1											
21	113	10	8			90	13	10			73	10	9			66	8	7			40	5	3			25	1	0											
22	113	12	6			92	12	8			73	11	10			63	11	8			39	2	3			25	1	0											
23	112	18	7			92	13	8			74	10	12			64	8	9			37	4	2			26	0	1											

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month May 19 63

Hour (LST)	Frequency (Mc)																																					
	.500					2.5					5					10					20																		
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}				
00						90	8	7			73	6	8			65	6	8			39	3	3			24	2	1											
01						88	8	6			73	6	8			63	6	4			39	2	4			24	1	1											
02						88	8	7			73	5	8			62	7	4			37	5	2			24	1	1											
03						88	8	9			72	7	8			61	7	4			37	4	3			24	0	1											
04						84	9	11			70	6	7			61	6	4			37	3	3			24	0	1											
05						65	5	6			57	6	8			59	4	6			38	3	3			24	0	1											
06						60	9	5			47	10	5			50	7	5			39	2	3			24	1	1											
07						59	13	5			42	10	5			47	6	6			39	2	2			24	1	1											
08						61	7	5			36	8	3			42	8	6			38	5	1			27	2	1											
09						63	13	7			36	8	6			40	7	6			38	4	2			27	4	1											
10						62	9	5			36	7	8			38	6	6			36	4	1			27	4	2											
11						62	8	4			35	8	6			36	6	4			36	3	2			26	5	1											
12						66	10	5			39	10	7			36	9	4			36	3	2			29	5	1											
13						68	8	5			40	8	6			37	8	4			37	2	2			30	4	3											
14						69	12	5			42	8	7			37	12	4			37	4	2			30	4	3											
15						69	19	7			40	12	4			41	12	6			39	3	2			30	8	2											
16						66	24	7			43	15	6			44	12	6			40	2	3			27	6	2											
17						66	24	7			47	18	6			49	13	7			42	2	3			28	5	2											
18						66	22	6			53	19	7			56	9	8			44	3	3			29	5	3											
19						72	20	8			67	13	11			62	8	6			46	4	3			30	9	3											
20						84	10	11			73	6	10			68	3	6			47	4	3			28	8	4											
21						88	11	12			74	5	9			69	2	7			46	5	3			26	4	2											
22						89	8	7			74	5	8			67	4	5			41	6	1			24	6	1											
23						89	9	8			74	5	9			67	4	6			39	7	2			24	4	1											

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month June 19 61

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	139	4	6	7.0	12.0	127	7	9	6.0	11.0	115	4	15	*6.0	*12.0	94	5	12	*6.0	*12.0	70	6	4	4.5	8.0	61	3	7	5.0	7.0	41	4	4	4.0	6.0	26	4	0	2.0	3.0
01	139	4	5	7.0	13.0	125	6	15	5.0	10.5	113	5	12	6.0	12.0	92	9	10	*6.0	*11.0	71	4	6	5.0	8.0	60	4	6	4.0	7.0	41	3	7	4.5	7.0	26	6	2	2.0	3.0
02	137	6	6	7.0	13.5	127	4	9	6.0	12.0	111	6	6	6.0	12.5	92	8	22	6.0	12.0	70	4	6	6.0	9.0	60	4	10	4.0	8.0	39	7	7	*5.0	*7.0	26	6	2	2.0	3.0
03	137	6	8	7.0	13.0	123	10	16	*7.5	*13.5	109	9	19	7.0	13.0	90	10	18	*6.5	12.0	68	6	4	6.0	9.5	58	6	9	4.5	8.0	38	7	6	4.0	5.5	26	5	2	2.0	3.0
04	137	6	15	9.5	16.0	121	10	9	*8.5	*16.0	105	11	8	8.5	*16.5	90	9	21	7.0	14.0	69	5	11	7.0	12.0	56	6	8	5.0	8.0	37	4	4	3.5	6.0	26	6	0	2.0	2.5
05	132	12	10	11.0	17.5	119	10	16	10.0	18.5	93	16	14	*8.5	*19.0	80	14	28	*8.5	*16.0	65	6	17	8.5	13.0	56	4	4	6.5	10.0	39	6	6	4.5	7.0	28	11	2	2.5	4.5
06	127	14	8	11.0	18.0	113	16	26	12.0	20.0	93	16	17	*16.5	*22.5	66	26	14	*13.0	*20.0	55	12	16	10.5	15.5	52	8	8	8.0	13.0	39	6	4	7.0	11.0	32	11	5	6.0	8.0
07	124	20	13	16.0	22.0	111	20	19	*12.0	*19.0	90	20	21	14.0	24.0	66	28	14	*14.5	*24.5	54	10	16	10.5	17.0	50	4	10	11.5	16.5	40	4	6	8.0	11.0	32	6	4	5.5	7.0
08	134	11	16	13.0	21.0	109	22	12	16.0	22.5	87	24	17	13.0	20.5	66	24	14	*14.0	*23.0	52	9	15	9.0	15.0	44	6	8	10.5	15.0	36	8	9	8.5	11.0	34	2	4	9.0	11.0
09	137	6	22	15.0	21.5	113	16	12	12.5	24.0	93	14	18	*11.5	*20.0	72	23	18	*19.0	*28.0	52	8	17	12.5	16.0	44	8	5	11.5	16.0	34	10	6	8.5	12.0	*36			6.0	10.0
10	133	10	16	*11.5	*18.0	113	17	23	13.5	21.0	95	16	23	16.5	23.0	66	21	15	*16.0	*26.0	48	20	15	12.0	16.0	40	12	6	10.0	15.0	33	10	4	8.5	12.0	30	8	6	2.5	4.0
11	130	13	7	*10.0	*14.5	117	12	20	*12.0	*22.5	101	14	24	*17.0	*26.0	78	24	26	17.0	25.0	52	20	19	11.0	17.0	40	14	14	*12.0	*17.5	35	8	7	8.0	11.5	30	9	6	6.0	7.0
12	137	10	12	9.0	14.0	*107			*9.5	*15.0	97	18	24	*13.0	*16.5	*83			*16.0	*25.5	50	26	10	11.0	16.0	*40			*11.0	*15.0	37	4	6	6.5	10.5	*28			3.5	5.5
13	135	13	10	9.5	15.0	119	16	11	13.0	19.0	99	24	20	13.0	22.0	86	24	30	13.0	22.5	47	34	15	10.0	16.0	48	16	16	9.5	14.0	39	10	6	8.0	10.5	32	15	5	4.0	6.0
14	141	10	10	11.0	17.0	127	12	20	12.5	19.5	103	18	19	13.0	20.5	84	26	33	*8.0	*19.5	56	24	18	10.0	15.5	50	16	10	8.5	12.0	43	4	4	6.0	10.0	32	14	2	8.0	11.5
15	139	11	7	*9.5	*14.0	121	14	14	10.5	16.0	105	18	23	*10.0	*16.0	86	20	17	*9.5	*18.0	59	16	18	11.0	14.5	54	6	11	7.0	11.0	45	4	4	5.0	8.0	34	8	3	4.0	6.0
16	138	12	13	*11.0	*17.0	125	11	9	9.0	16.0	107	16	18	*10.0	*17.0	87	21	20	12.0	20.0	60	16	16	7.5	12.5	56	6	4	6.5	10.0	49	4	6	5.0	7.0	36	9	4	4.0	6.5
17	137	13	6	8.0	14.0	121	14	13	9.0	15.5	109	12	12	10.0	14.5	89	15	17	*9.0	*14.5	66	8	4	6.0	8.0	60	6	4	4.0	7.0	57	4	4	4.0	7.0	*36			3.5	6.0
18	140	9	9	*7.0	*12.0	125	8	8	*7.0	*10.0	110	12	14	*7.0	*12.0	94	12	17	6.5	10.5	74	4	6	3.5	6.5	66	2	4	4.5	8.0	51	2	4	4.0	6.0	36	6	7	4.5	6.0
19	140	9	5	*5.5	*10.0	127	9	9	*5.0	*8.5	111	7	14	4.0	8.0	90	17	17	*4.0	*9.0	74	6	4	4.5	8.0	66	2	4	4.0	7.0	50	3	5	4.0	6.0	32	12	6	3.5	5.0
20	141	5	7	*7.0	*12.0	128	8	7	6.0	10.0	112	7	9	*5.0	*10.5	96	6	13	*4.0	*8.0	74	4	5	4.0	7.0	65	3	3	4.0	7.0	47	5	2	4.0	6.5	*28			2.0	3.0
21	139	10	4	6.0	11.0	127	9	14	6.0	10.5	114	7	7	5.0	9.0	92	14	8	*5.0	*8.0	74	6	4	4.0	7.5	66	2	4	5.0	8.0	47	3	6	4.0	6.0	28	14	2	2.0	4.0
22	141	6	8	8.0	12.0	125	6	18	6.5	12.5	114	7	7	5.0	11.0	96	9	12	5.5	10.5	72	6	6	4.0	7.0	64	4	3	4.0	6.5	45	4	4	4.0	6.0	28	6	2	2.0	2.0
23	139	6	6	6.0	13.0	127	5	9	6.0	11.0	115	4	14	5.0	10.0	92	16	13	*5.0	*10.5	72	4	4	4.0	7.0	62	4	2	4.0	7.0	43	4	4	3.0	6.0	26	4	2	2.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month July 19 61

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	137	3	3			125	4	9			111	4	10			95	4	10			69	5	5			60	1	5			39	5	6			*26				
01	137	5	5			125	4	7			111	5	10			95	4	12			68	4	6			57	6	8			37	5	4			26	2	2		
02	135	4	4			123	4	7			109	6	6			91	8	13			67	6	7			56	6	8			38	5	5			*26				
03	135	6	4			120	9	3			107	7	5			89	8	6			66	7	6			55	5	9			35	4	4			*26				
04	133	7	3			121	7	8			107	6	11			90	5	7			63	7	5			54	5	10			*35					*26				
05	128	9	6			115	4	14			93	13	19			*77					61	5	13			53	7	7			39	4	6			26	12	2		
06	127	4	10			107	12	10			83	23	13			*60					47	7	10			*50					39	4	4			*27				
07	*125					107	12	16			87	18	17			*57					39	14	8			*45					*37					*27				
08	*123					*105					*77					*61					*35					*38					*33					*28				
09	*123					*107					*77					*54					*35					*36					*33					*26				
10	122	9	8			103	11	11			*76					*55					*34					*34					*27					*28				
11	126	4	8			105	8	14			86	19	20			*60					*33					*35					31	6	6			*26				
12	127	3	4			105	8	7			87	20	12			*66					33	8	4			30	8	6			31	12	4			*28				
13	130	4	4			115	4	10			89	16	15			71	15	13			33	18	3			36	5	6			37	7	6			*28				
14	131	7	4			113	11	7			98	10	22			77	10	12			33	18	4			41	5	10			41	5	3			*32				
15	134	6	7			121	5	10			*104					73	14	14			40	14	5			*46					43	4	4			*32				
16	133	8	4			118	10	6			97	12	12			*77					47	10	9			52	4	10			47	2	5			*33				
17	135	7	5			115	13	6			97	14	4			87	5	16			57	9	7			56	4	7			49	1	3			34	6	4		
18	137	6	7			123	7	6			107	8	8			95	3	9			66	4	2			60	4	2			49	2	2			*30				
19	137	5	2			127	2	6			*111					93	6	6			69	5	4			62	2	2			47	2	4			28				
20	137	5	1			125	4	6			111	4	8			93	6	4			71	5	5			62	4	4			44	3	7			26				
21	139	2	4			125	4	6			111	4	6			95	4	10			70	5	4			62	4	2			43	7	5			26				
22	138	4	4			125	6	8			111	6	6			97	4	8			69	5	5			60	3	3			44	4	4			26				
23	137	4	3			*126					111	4	7			95	4	10			69	5	5			60	4	5			41	6	4			26				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month August 19 61

Frequency (Mc)

Hour (LST)	.051					.113																																		
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	133	6	13			120	6	2																																
01	133	6	4			118	6	3																																
02	132	7	5			119	5	7																																
03	131	9	4			119	3	7																																
04	*131					116	6	3																																
05	129	8	6			*111																																		
06	125	6	8			98	12	10																																
07	*117					*98																																		
08	115	12	8			*90																																		
09	*120					*98																																		
10	*122					*96																																		
11	*121					*100																																		
12	*125					102	8	7																																
13	127	4	0			108	4	6																																
14	129	4	2			110	7	7																																
15	130	6	3			111	10	6																																
16	131	6	5			112	9	6																																
17	129	8	4			111	10	9																																
18	133	6	7			115	8	4																																
19	137	3	6			124	3	6																																
20	135	5	3			122	4	5																																
21	136	2	3			122	5	4																																
22	135	4	3			122	4	4																																
23	135	6	6			122	4	5																																

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4N Long. 3.9E Month September 1961

Hour (LST)	Frequency (Mc)																																	
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	138	4	10			126	4	13			107	7	9			93	7	9			68	5	9			60	4	9			48	3	3			*31				
01	138	2	10			125	3	8			109	7	10			94	5	7			68	5	8			59	5	10			48	4	4			*30				
02	136	5	7			122	6	8			109	4	10			92	4	9			66	5	5			59	3	9			46	3	8			*26				
03	136	4	8			122	7	10			107	8	11			90	6	9			68	3	8			57	3	8			44	2	6			*26				
04	134	5	5			122	4	11			107	4	12			88	7	15			66	2	6			55	2	5			*38					*34				
05	132	3	5			114	5	9			91	10	13			*75					*60					55	16	10			*40					*27				
06	124	6	9			104	11	22			87	10	14			*72					*52					51	2	11			40	4	6			*30				
07	118	10	9			100	17	17			76	20	6			*68					40	16	8			*44					*37					*34				
08	121	7	11			101	15	18			75	20	10			*66					*38					*37					*32					*30				
09	120	7	9			101	14	18			76	19	8			*58					36	11	5			*33					32	4	6			*32				
10	121	8	11			102	16	10			*78					*67					*38					*37					*32					*28				
11	127	7	13			108	13	19			*82					*76					*41					*31					*34					*32				
12	130	6	14			110	13	12			87	18	10			72	24	13			*38					*35					*35					*30				
13	134	7	8			116	11	10			97	12	18			81	18	19			*36					*38					38	6	10			*32				
14	138	6	6			122	6	12			103	10	18			80	16	13			45	22	12			43	6	6			44	4	13			34	4	6		
15	140	4	8			124	7	12			105	9	17			87	11	15			49	17	11			49	4	14			46	4	19			33	5	5		
16	138	0	10			124	3	12			107	10	22			84	14	17			53	10	14			55	2	14			48	4	16			*34				
17	140	4	9			124	6	12			107	10	16			91	8	10			60	8	10			61	2	10			50	5	18			*34				
18	140	4	9			127	4	10			111	8	12			95	7	7			72	0	8			61	3	1			48	8	13			*30				
19	140	4	7			126	6	6			108	12	7			96	5	7			73	1	8			63	6	7			46	5	12			*31				
20	140	4	6			126	6	8			109	7	10			94	5	5			72	2	7			63	2	11			46	9	12			*31				
21	140	1	9			124	8	8			108	11	10			93	7	6			72	3	7			62	6	4			48	5	12			*34				
22	140	5	10			125	10	7			109	9	11			92	10	7			72	6	7			61	8	5			48	7	14			*32				
23	137	6	9			126	4	8			111	4	12			92	7	9			72	4	11			59	5	7			48	3	10			*28				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4N Long. 3.9E Month October 1961

Hour (LST)	Frequency (Mc)																																					
																	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_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00																					66					58					42					28				
01																					65					60					42					26				
02																					66					58					40									
03																					68					56					40					26				
04																					66					52					34					40				
05																					51					52					37					36				
06																					45					54					36					35				
07																					45					44					34					37				
08																					42					38					34					36				
09																					42					31					30					36				
10																					38					33					32					40				
11																					40					34					34					35				
12																					40					33					32					46				
13																					52					40					36					34				
14																					56					50					39					35				
15																					60					53					44					37				
16																					63					60					48					42				
17																					66					66					46					30				
18																					68					64					44					30				
19																					70					66					44					36				
20																					70					69					44					40				
21																					70					62					44					40				
22																					69					61					42					34				
23																					65					57					42					28				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4N Long. 3.9E Month November 19 61

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	131	9	4			118	7	4			103	13	10			88	12	6			63	6	8			59	2	8			42	4	8			24	6	2		
01	131	6	2			120	4	6			103	5	8			88	5	9			64	5	11			57	4	6			42	4	6			24	4	2		
02	131	6	2			120	3	7			103	4	8			86	7	8			64	5	9			57	4	6			40	4	4			24	4	2		
03	131	6	2			118	7	8			101	8	6			86	6	8			65	4	8			57	4	6			38	4	4			24	2	2		
04	131	4	4			116	8	4			99	9	9			84	7	7			64	6	10			55	6	6			36	16	6			24	2	2		
05	129	5	6			112	9	12			93	6	12			72	14	11			57	10	10			59	6	11			38	6	6			24	5	1		
06	127	5	14			110	12	16			79	24	10			72	10	12			47	12	12			55	10	4			40	2	4			28	3	4		
07	123	9	14			108	15	17			*79					*78					43	14	9			47	9	5			36	5	5			30	4	6		
08	121	11	11			110	10	16			*77					*82					41	10	8			43	8	4			32	7	6			28	3	3		
09	123	14	14			*111					*95					*66					41	5	5			*37					30	6	5			28	7	1		
10	125	8	8			110	16	16			81	24	10			*78					41	2	6			37	8	6			28	8	4			28	4	2		
11	127	8	12			*112					89	18	20			*82					39	6	6			*36					28	7	4			28	8	4		
12	129	12	10			*120					95	17	20			*82					42	13	7			37	8	8			32	5	5			28	4	4		
13	131	6	10			120	11	20			101	16	19			86	17	11			43	18	6			41	10	7			36	4	8			30	4	4		
14	132	9	11			122	8	24			101	13	20			86	16	30			45	16	10			47	10	10			38	4	6			32	4	6		
15	135	8	14			120	9	21			100	15	20			84	15	25			47	16	10			50	7	12			42	4	4			32	10	4		
16	133	7	9			122	14	16			101	20	16			86	14	18			53	19	10			55	6	10			44	4	2			30	6	4		
17	135	8	12			120	13	12			102	13	13			90	13	13			59	12	10			62	4	10			44	4	4			26	7	1		
18	135	8	8			123	7	7			105	8	9			90	12	6			65	6	6			65	6	4			42	3	6			26	4	4		
19	135	12	9			124	9	12			105	9	9			88	12	4			65	6	6			67	4	4			42	4	6			26	4	2		
20	137	4	10			124	3	10			105	7	7			90	8	6			65	6	8			69	2	4			42	9	4			28	4	3		
21	133	5	8			120	6	6			104	8	9			90	4	6			64	7	9			63	5	2			42	8	4			27	4	1		
22	133	8	6			122	8	12			105	6	8			88	6	4			65	6	10			60	7	6			42	6	4			26	5	3		
23	132	5	6			120	6	8			103	9	7			88	8	6			63	6	6			59	4	6			41	6	4			25	6	3		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4N Long. 3.9E Month January 1962

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	141	4	10			116	8	10			104	7	10			89	8	16		
01	141	6	8			118	8	8			102	12	10			89	9	14		
02	141	10	8			118	10	8			103	11	9			89	6	12		
03	143	7	8			116	8	8			101	13	9			89	8	14		
04	144	5	10			116	8	6			102	12	8			88	5	13		
05	143	6	9			116	10	8			98	12	10			77	14	20		
06	137	10	15			110	14	24			90	18	20			69	24	9		
07	137	12	14			110	16	18			92	12	21			73	23	19		
08	135	12	19			112	12	20			90	16	16			*78				
09	137	10	17			109	14	24			88	18	20			71	22	16		
10	139	8	18			106	17	12			86	18	14			75	17	21		
11	131	8	8			103	23	15			85	19	17			69	22	14		
12	132	15	12			102	24	14			80	25	10			*77				
13	139	9	16			108	16	12			86	18	16			67	18	10		
14	135	14	13			107	19	19			88	18	16			76	12	17		
15	135	12	10			108	16	17			86	17	14			71	16	14		
16	133	14	12			108	14	16			85	20	13			68	19	12		
17	135	12	16			106	16	16			90	16	12			83	11	12		
18	137	12	12			112	14	12			98	12	10			85	13	11		
19	141	8	15			114	12	12			98	16	13			85	14	14		
20	141	9	13			112	12	9			100	10	12			89	7	17		
21	141	5	14			114	8	14			100	10	14			87	8	12		
22	141	3	13			116	6	14			101	7	9			87	10	8		
23	139	6	8			116	7	10			103	9	10			87	8	9		

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	64	6	16			53	6	6			39	4	14			*24				
01	*66					55	4	6			39	5	10			26	0	2		
02	*54					55	6	9			33	9	8			*26				
03	*62					51	7	3			33	8	8			*26				
04	*66					53	5	7			32	9	5			26	8	2		
05	*66					51	10	7			37	12	6			*26				
06	*57					55	8	13			41	2	10			*26				
07	49	10	18			49	6	18			39	8	13			28	8	2		
08	46	10	22			45	5	13			34	11	11			*28				
09	40	12	13			41	6	12			33	6	11			*30				
10	43	7	18			37	8	12			31	9	11			26	10	4		
11	41	11	9			39	6	13			29	12	6			*26				
12	*38					34	9	9			27	7	2			*27				
13	42	6	10			37	7	6			33	3	8			26	4	2		
14	42	8	10			33	14	4			35	7	8			26	2	2		
15	42	14	6			39	13	8			39	7	5			26	8	2		
16	44	15	8			44	13	14			41	6	2			26	4	5		
17	53	12	9			59	2	6			43	4	13			26	3	2		
18	56	16	2			63	4	7			42	3	15			24	2	2		
19	*60					64	3	28			41	7	14			24	5	1		
20	*60					67	4	17			41	8	10			26	4	2		
21	62	8	6			57	9	10			43	2	12			26	2	3		
22	*62					57	2	10			41	7	13			24	2	2		
23	62	9	13			57	2	12			41	6	13			24	2	0		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4N Long. 3.9E Month February 1962

Hour (LST)	Frequency (Mc)																																	
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	133	6	12			121	7	10			108	4	13			90	5	11			67	8	8			60	6	10			46	4	12			25	3	1		
01	134	5	11			122	6	11			106	7	12			90	6	11			68	8	12			58	6	8			42	6	10			26	0	2		
02	133	8	9			122	6	10			106	8	10			88	10	8			70	4	12			58	8	8			42	6	10			26	0	2		
03	135	6	12			121	7	12			107	8	12			90	9	10			68	6	14			58	6	8			42	6	14			26	2	2		
04	135	4	12			120	8	10			102	12	7			88	10	7			68	6	9			58	8	9			36	10	4			28	0	4		
05	131	8	10			118	12	10			98	11	13			74	17	12			66	8	6			58	4	10			40	9	10			30	5	5		
06	127	6	12			108	12	18			85	12	14			66	16	12			58	10	15			56	10	12			44	4	14			30	5	6		
07	124	9	13			106	14	14			85	13	6			64	18	14			44	15	8			46	8	14			38	8	10			32	6	8		
08	123	14	9			108	14	18			88	16	8			*60					40	8	10			42	9	8			34	13	8			30	4	4		
09	125	13	18			112	11	26			86	13	13			*64					40	9	14			37	12	7			33	12	8			*30				
10	121	13	12			104	18	19			80	17	13			*61					38	8	7			32	14	5			32	13	10			30	6	8		
11	125	12	17			108	14	25			*81					*66					38	5	12			*35					32	10	8			*28				
12	121	18	13			99	27	17			78	26	13			*65					38	10	12			34	10	7			31	9	7			*22				
13	123	16	12			101	22	16			76	26	12			*60					36	14	9			31	13	6			34	6	10			28	7	4		
14	125	15	12			110	19	19			82	23	16			66	20	10			36	16	5			40	6	8			36	6	8			30	5	4		
15	123	18	9			112	16	20			86	24	20			66	26	14			36	22	6			38	14	8			42	3	14			30	4	5		
16	129	12	18			114	7	26			92	26	27			69	30	17			48	15	14			48	8	18			44	6	11			32	4	7		
17	127	18	18			109	24	19			96	25	20			83	18	20			52	15	13			58	8	14			46	10	8			30	8	5		
18	129	15	15			119	15	15			104	11	12			87	11	8			66	12	16			62	6	15			44	4	10			26	3	2		
19	133	10	12			120	10	10			102	12	8			88	8	10			69	7	14			62	6	12			43	5	7			26	6	2		
20	133	10	14			123	9	19			100	14	10			86	11	10			68	5	15			64	4	18			46	4	10			28	4	4		
21	133	10	16			122	7	14			104	8	14			89	6	12			68	6	16			60	8	11			48	4	11			28	7	4		
22	133	8	13			122	6	16			106	4	14			90	6	11			68	7	14			60	6	16			46	4	11			26	4	2		
23	133	8	14			122	6	14			107	3	16			90	6	15			68	8	15			58	8	10			44	6	11			26	2	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4N Long. 3.9E Month March 1962

Frequency (Mc)

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	.113 Fam	Du	Dℓ	Vdm	Ldm	.246 Fam*	Du	Dℓ	Vdm	Ldm	.545 Fom*	Du	Dℓ	Vdm	Ldm
00	140	2	8			128	4	6			112					96				
01	138	4	6			128	4	10			114					94				
02	138	6	6			124	8	4			110					94				
03	138	4	8			124	10	6			110					95				
04	136	8	6			124	8	6			110					94				
05	*134					124	8	14			106					85				
06	*130					*117					98					79				
07	*128					*120					96					72				
08	*130					*118					96					71				
09	132	8	12			*118					96					72				
10	130	6	12			*116					95					74				
11	*129					*116					94					71				
12	*129					*116					96					73				
13	*132					*118					97					79				
14	*138					*128					100					90				
15	*142					*133					116					93				
16	*144					*134					119					99				
17	*145					*133					120					103				
18	*144					*133					120					104				
19	*143					*133					118					109				
20	*144					*132					121					106				
21	*141					*132					115					99				
22	*140					*130					114					99				
23	*140					*128					115					97				

Hour (LST)	2.5 Fam*	Du	Dℓ	Vdm	Ldm	5 Fam*	Du	Dℓ	Vdm	Ldm	10 Fam*	Du	Dℓ	Vdm	Ldm	20 Fom*	Du	Dℓ	Vdm	Ldm
00	70					62					48					26				
01	74					64					46					25				
02	71					65					44					26				
03	74					62					43					27				
04	69					59					40					26				
05	70					60					44					33				
06	64					60					46					33				
07	52					51					40					30				
08	42					46					36					32				
09	42					41					38					30				
10	39					39					34					32				
11	41					37					36					26				
12	40					40					34					28				
13	47					42					34					28				
14	60					54					42					30				
15	68					58					48					32				
16	74					64					52					38				
17	80					68					52					35				
18	78					70					50					30				
19	76					68					50					30				
20	74					67					48					32				
21	75					66					46					29				
22	73					64					46					28				
23	71					62					46					26				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0N Long. 159.7W Month March 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	157	9	4	9.5	16.5	136	7	6	10.0	16.0	119	10	10	9.5	17.0	98	13	15	9.5	21.5	70	9	11	8.5	16.0	58	8	6	*7.0	*11.5	40	11	5	5.5	8.0	22	8	2	1.0	2.5
01	157	9	4	10.0	17.5	136	9	6	10.5	17.0	119	9	8	8.0	15.5	98	10	14	10.0	21.5	70	9	12	9.5	15.0	58	7	4			40	6	4	4.5	8.0	22	4	2	1.5	3.0
02	157	8	4	11.0	18.0	136	9	4	9.5	16.0	117	10	7	7.0	15.5	98	9	10	*9.5	*19.0	71	8	11	10.0	15.0	58	7	4			38	8	5	4.0	7.0	24	2	4	2.0	3.5
03	157	8	4	11.5	19.0	136	8	4	9.0	18.0	117	9	8	8.0	17.0	98	7	11	8.5	17.0	70	7	10	9.5	16.5	58	4	5			36	8	4	3.0	5.0	24	2	2	2.0	3.5
04	157	7	4	10.5	18.0	136	8	4	10.5	19.0	117	4	7	10.0	19.0	97	8	12	11.5	22.5	70	6	9	9.5	14.0	56	4	5	7.0	11.5	36	15	4	3.5	5.5	24	3	2	2.0	3.5
05	157	8	4	10.5	17.0	136	8	5	10.0	18.0	115	8	10	10.0	20.0	96	7	12	10.0	21.5	68	8	7	9.0	16.0	52	10	5	7.5	12.0	32	14	2	2.5	4.0	22	4	0	2.0	3.5
06	157	10	4	10.0	17.0	134	10	6	10.0	17.5	111	9	13	12.0	21.5	84	14	14	11.0	19.5	68	8	9	8.5	15.5	52	6	5	6.0	9.5	32	12	1	2.5	4.5	22	2	0	2.5	3.5
07	157	5	3	10.5	18.0	126	10	6	11.5	17.5	103	16	21	14.0	24.5	80	20	23	*12.0	*25.0	56	14	6	10.0	15.5	54	5	6	7.5	12.5	38	9	2	5.5	8.5	22	4	0	1.5	3.0
08	155	7	4	11.0	18.0	124	12	12	12.0	21.0	102	18	25	14.0	26.0	78	23	24	14.0	28.0	48	22	11	10.0	15.5	46	10	11	*11.0	*18.0	38	10	5	7.0	10.0	24	3	2	2.5	4.0
09	155	6	4	11.5	18.5	126	15	11	14.5	20.0	102	19	26	12.5	24.0	78	23	26	13.5	24.0	41	29	13	9.5	13.5	38	18	11	12.0	19.0	36	13	6	8.0	11.0	22	6	0	2.0	4.0
10	153	8	3	11.0	18.0	124	12	17	14.5	25.0	101	17	25	15.5	26.0	74	26	18	14.0	28.0	38	32	9	14.0	19.5	36	16	16	*12.0	*19.5	34	11	9	11.0	15.5	24	3	2	2.0	4.0
11	153	7	4	12.0	19.0	124	11	16	14.5	22.5	99	18	23	*16.0	*28.0	73	25	20	15.5	30.0	38	28	8	9.0	13.5	30	19	12	*9.0	*17.0	34	9	10	11.0	16.0	22	4	1	2.5	4.5
12	153	10	5	11.0	18.0	122	14	19	14.0	23.5	101	16	28	*15.0	*27.0	72	26	18	*11.0	*23.0	38	24	7	10.5	16.5	30	22	12	11.0	17.0	30	14	12	*10.5	*17.5	24	6	2	*3.0	*5.0
13	154	7	5	13.0	20.5	123	16	15	14.5	24.0	102	15	30	11.5	22.5	78	22	26	*13.0	*24.0	36	30	6	4.5	7.0	30	21	11	11.0	17.5	34	10	15	9.0	15.5	24	6	2	4.0	6.0
14	153	8	5	12.0	21.0	123	12	19	13.0	23.5	101	17	24	11.0	23.0	78	23	23	*9.5	*21.0	36	30	7	8.5	16.5	30	21	12	7.5	11.0	36	8	16	*9.0	*15.0	24	9	2	3.5	6.0
15	153	8	5	13.0	21.5	122	13	20	14.0	23.0	103	16	32	10.0	20.0	78	22	23	*8.0	*16.0	40	25	10	4.0	8.0	34	16	14	8.0	13.0	38	8	12	10.0	15.0	25	6	3	3.5	5.5
16	153	9	5	13.5	22.5	121	12	20	*15.0	*24.0	101	16	27	11.5	20.0	79	20	25	*7.5	*16.0	40	27	13	4.0	6.5	35	20	15	9.0	15.0	36	10	5	8.0	12.0	24	5	3	3.5	6.0
17	151	10	4	13.0	20.5	122	12	24	12.0	22.0	99	18	27	11.0	19.0	76	25	23	10.0	19.0	44	20	12	5.5	9.0	42	14	12	9.5	15.0	41	7	5	8.5	13.0	24	7	3	3.5	5.0
18	151	9	4	12.0	20.0	122	15	21	12.0	19.0	99	22	19	11.0	19.0	81	20	21	*5.5	*8.5	50	21	12	9.5	17.5	50	11	11	7.5	13.5	42	10	6	7.5	13.0	24	3	4	3.0	5.0
19	151	10	4	11.5	19.0	124	16	15	10.0	19.0	109	15	22	11.0	21.0	86	18	15	*8.0	*16.0	60	14	14	10.0	17.5	54	10	12	9.0	15.0	42	10	8	8.0	12.0	24	4	4	3.0	5.0
20	153	10	4	11.5	19.5	128	12	15	10.5	17.5	113	12	18	11.5	21.0	92	14	17	9.0	20.0	66	10	14	10.0	16.0	54	12	9	8.0	13.5	42	10	7	5.5	11.5	22	6	2	2.5	4.0
21	155	8	4	10.0	16.0	132	12	14	13.0	21.0	117	10	22	9.5	17.5	96	13	20	8.0	18.5	68	10	14	9.5	17.0	54	10	10	9.5	16.0	38	13	4	5.0	7.0	22	10	2	2.0	3.5
22	157	7	4	10.0	16.0	132	12	9	11.0	20.0	117	11	18	8.5	18.5	98	8	20	8.0	16.0	70	10	16	9.0	16.5	54	10	6	7.5	13.0	40	10	6	4.0	6.5	22	6	2	1.5	3.0
23	157	4	5	10.0	16.5	134	7	7	11.0	17.0	119	11	16	9.5	16.0	98	13	17	7.0	14.0	70	9	15	8.0	15.5	58	8	6	6.5	11.0	38	11	4	4.0	6.5	22	10	2	1.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0 N Long. 159.7 W Month April 1963

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	153	4	2	9.5	14.5	129	5	3	11.0	18.0	107	7	5	11.0	17.5	85	8	7	*10.5	*18.5	60	6	5	7.0	11.5	53	5	4			39	2	2	4.5	7.0	24	0	2	1.5	3.0
01	153	4	2	9.0	14.0	130	5	2	10.0	16.0	109	6	7	10.5	17.5	86	8	6	12.0	21.0	60	6	6	7.0	12.0	53	6	2			39	2	4	4.5	6.5	24	0	0	1.5	3.0
02	153	4	2	8.0	14.0	132	3	4	10.5	16.0	109	7	6	11.0	17.5	87	6	7	12.0	19.0	59	7	5	7.0	11.0	54	3	3			37	4	2	4.0	6.5	24	0	1	1.5	3.5
03	153	4	2	10.0	15.0	132	4	3	11.0	17.0	109	5	5	10.0	18.5	86	10	7	11.0	19.0	59	6	6	7.0	11.0	53	3	4			37	4	4	3.0	5.0	24	0	2	2.0	3.5
04	154	3	3	10.0	16.0	132	4	3	11.5	18.5	109	6	8	11.0	17.0	84	10	4	11.0	20.0	58	9	3	7.0	12.5	53	2	5	6.0	9.5	35	2	4	2.5	4.0	23	1	1	2.0	3.5
05	155	4	2	11.0	17.0	132	4	4	11.5	18.0	107	7	5	10.0	17.5	82	13	4	12.0	20.0	59	9	5	7.5	12.5	51	4	4	5.5	9.0	33	4	2	2.0	4.0	22	2	0	2.0	3.5
06	155	3	2	11.0	17.5	128	5	4	12.0	18.5	95	10	10	*11.0	*18.0	61	21	5	*4.0	*6.0	58	9	6	7.0	12.0	51	4	4	4.5	7.5	37	4	4	3.5	5.5	24	0	2	2.0	4.0
07	153	4	2	11.0	17.5	119	3	3	10.0	16.5	77	16	4	5.5	7.5	54	21	3	*5.0	*8.0	44	7	4	5.5	7.5	43	6	6	6.0	10.0	37	4	4	4.0	7.0	24	0	2	2.0	3.5
08	153	3	4	10.5	17.5	110	9	4	10.5	16.5	79	18	6	*8.0	*11.0	56	20	5	4.5	7.0	34	8	4	3.5	6.0	31	10	7	5.0	7.5	31	8	4	5.5	8.5	24	0	2	2.5	4.5
09	151	4	2	12.0	18.0	111	7	7	12.5	19.0	83	11	8	*10.0	*15.5	54	10	3	*3.0	*6.0	30	7	2	2.5	5.0	25	5	6	4.0	6.0	27	4	4	5.5	8.0	22	2	0	3.0	4.0
10	151	4	2	12.0	18.5	112	6	6	*13.5	*20.5	83	8	10	*12.0	*15.5	54	6	2	3.5	7.0	30	5	4	3.0	4.5	23	4	4	3.0	5.5	23	6	4	5.5	8.0	22	2	2	2.5	4.5
11	152	3	3	12.5	19.5	116	4	11	14.0	20.0	81	10	8	*9.5	*14.5	54	13	2	*3.0	*5.5	28	9	2	2.0	4.0	21	7	2	2.5	5.0	21	6	4	4.5	7.0	20	2	2	2.0	4.0
12	151	4	2	12.5	19.0	114	7	8	16.5	21.5	80	7	7	8.0	11.5	54	5	2	3.0	6.0	28	10	1	3.0	4.0	21	6	2	3.0	5.0	21	2	4	*7.0	*10.0	20	2	0	*2.5	*4.0
13	151	4	2	13.0	20.0	114	7	10	13.0	19.0	81	10	9	*6.0	*9.5	54	9	3	*6.5	*10.0	28	7	1	2.5	4.0	21	6	2	2.0	4.0	19	6	2	3.0	5.5	22	2	2	*2.0	*3.0
14	151	3	4	13.0	20.0	113	5	7	12.5	20.0	81	8	8	*8.0	*10.0	56	6	4	*5.0	*7.5	28	9	2	2.0	4.0	21	8	2	3.0	5.0	21	4	6	6.5	10.5	22	2	2	*2.0	*4.5
15	151	4	4	13.5	21.0	112	9	6	*13.5	*21.0	79	10	6	*8.5	*12.0	56	8	6	*5.0	*8.0	30	8	4	2.0	4.0	23	8	4	2.0	4.0	23	6	4	4.5	7.0	22	2	0	4.0	6.0
16	150	3	5	13.0	21.0	112	10	6	14.0	20.0	81	12	10	*7.0	*9.0	55	15	5	3.5	7.5	28	8	2	2.0	4.0	25	8	4	3.0	5.0	31	4	6	5.0	7.5	24	2	2	4.0	6.5
17	149	4	2	15.0	22.0	110	9	7	*14.0	*18.0	77	21	6	*6.0	*9.0	52	18	2	*3.0	*5.0	33	3	5	3.0	4.5	31	7	4	4.0	6.5	35	4	4	5.5	8.5	24	2	2	4.0	6.0
18	149	5	3	12.5	20.5	106	12	3	10.0	15.5	83	12	8	7.5	11.0	62	14	5	*7.5	*12.0	38	9	6	*3.0	*4.0	43	3	8	5.5	8.0	39	4	6	5.0	9.0	24	4	2	3.0	5.0
19	149	4	3	12.5	19.5	114	8	6	9.5	14.5	93	10	6	9.5	16.5	77	10	9	10.5	16.5	50	6	6	4.0	6.0	48	7	5	6.0	11.0	39	8	2	6.0	10.0	24	3	2	3.0	5.0
20	151	3	4	11.5	17.5	120	10	5	10.5	17.0	99	11	4	10.5	18.0	80	12	5	8.5	17.0	57	8	5	8.0	12.5	50	7	5	6.0	10.5	41	2	6	5.0	8.5	24	0	2	2.0	4.0
21	151	6	2	12.0	18.5	122	10	5	*11.0	*18.0	103	9	6	12.5	20.5	84	10	5	10.5	18.5	59	8	5	8.5	14.5	51	5	5	6.5	10.0	39	4	6	5.5	9.0	22	2	0	1.0	2.5
22	153	2	4	10.0	15.5	126	6	6	12.5	19.0	105	9	6	10.0	18.0	84	13	6	10.5	19.0	60	7	6	7.5	11.5	52	4	3	5.5	10.0	37	6	4	4.5	7.5	22	2	0	1.0	2.5
23	153	4	3	8.5	14.0	128	6	4	12.0	20.0	107	6	6	10.5	18.0	84	5	9	10.5	17.5	60	7	6	7.5	11.5	53	5	4	*7.0	*11.0	37	4	2	4.0	6.0	22	2	0	1.0	2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0 N Long. 159.7 W Month May 1963

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	0	4	7.5	12.5	126	4	4	10.0	14.5	99	8	4	7.0	10.5	80	6	6	*7.5	*12.0	56	4	4	6.0	9.5	51	4	2			38	2	2	*4.0	*6.5	23	2	0	1.0	3.0
01	155	2	2	6.5	11.0	126	4	2	8.5	13.0	101	6	4	8.0	10.0	78	12	4	9.0	17.0	56	6	4	7.0	10.0	51	4	2			38	2	4	*4.5	*7.0	23	0	0	1.5	3.0
02	155	2	2	7.5	12.0	126	6	2	9.0	13.5	101	8	6	6.5	11.0	82	11	8	*10.5	*15.5	56	6	6	7.0	11.0	51	4	2			38	4	6	*5.0	*8.0	23	0	0	1.0	3.0
03	155	2	4	*8.0	*13.0	128	6	6	9.5	14.0	99	10	2	8.0	12.0	80	9	6	10.0	17.0	56	6	4	7.0	10.0	51	2	2			36	4	4	*4.5	*7.0	23	0	0	1.5	3.0
04	155	1	4	8.0	13.0	128	6	4	9.5	14.0	101	9	4	*8.5	*12.5	78	10	4	11.0	17.0	56	6	4	7.0	10.0	51	2	2	5.0	8.5	34	6	2	*5.0	*7.0	23	0	0	1.5	3.0
05	155	3	4	8.0	12.5	128	6	4	9.5	14.5	101	6	6	*8.0	*11.0	74	10	8	11.5	17.5	56	8	4	8.0	11.0	49	4	0	4.5	7.5	35	3	5	*4.0	*6.5	23	0	0	1.5	3.0
06	155	2	3	*9.0	*15.0	120	6	2	*10.0	*15.0	79	20	4			54	20	4	*3.0	*4.5	52	6	4	7.5	11.0	47	4	2	6.0	9.5	36	4	4	*3.5	6.0	23	2	0	2.0	3.5
07	151	4	2	*10.0	*14.5	113	9	3	10.0	15.0	69	31	6			52	12	2	3.0	5.0	44	2	4	3.0	5.0	37	8	4	6.0	9.0	34	2	4	*4.0	*6.0	23	2	2	2.0	4.0
08	149	4	2	*10.0	*15.0	104	4	2	*9.5	*14.0	65	16	4			52	10	4	3.0	5.0	36	8	6	2.0	4.0	27	10	6	3.0	5.5	26	4	2	*4.5	*7.0	21	2	0	2.0	4.0
09	149	4	2	*11.0	*16.0	104	16	4	11.0	14.0	65	18	6			50	10	2	*4.0	*6.0	30	10	4	2.0	4.0	21	10	2	4.5	6.5	24	4	4	*4.5	*6.5	21	2	0	2.5	4.5
10	149	4	2	*11.0	*16.0	104	14	2	*9.0	*14.0	65	16	6			52	6	2	4.5	7.0	28	8	2	3.0	5.0	21	6	2	2.5	5.0	18	4	4	*3.5	*6.0	21	2	2	2.5	4.5
11	149	5	3	*10.5	*16.5	108	11	6	*9.5	*14.0	65	17	4			50	4	2	*3.0	*5.0	28	8	2	2.5	4.5	21	5	2	2.0	4.5	16	4	2	*5.0	*7.5	19	2	0	3.0	5.0
12	149	4	2	10.0	15.5	108	4	4	*10.5	*15.5	65	10	4			50	4	4	*2.5	5.0	28	4	4	2.5	4.0	21	10	4	2.0	4.0	16	2	2	*3.0	*5.5	19	2	0	2.0	4.0
13	149	4	2	10.5	16.0	108	8	2	*11.5	*15.5	65	8	4			50	6	2	*3.0	6.0	28	2	2	2.0	4.0	21	8	2	3.0	5.0	16	2	2	*8.0	*12.5	21	0	2	3.0	4.5
14	149	4	2	*11.0	16.0	108	6	4	*10.0	*15.0	65	3	5			50	5	2	*3.0	4.5	28	7	2	3.0	5.0	21	8	2	3.0	5.0	16	5	2	*4.5	*7.0	21	2	2	3.0	5.0
15	149	2	4	10.5	16.5	105	5	3	*12.0	*16.5	65	4	4			48	4	0	*4.0	6.5	28	8	2	3.0	5.0	21	8	3	4.0	7.5	22	4	6	*4.0	*7.0	23	2	2	3.0	5.0
16	147	4	2	11.5	17.5	104	12	4	*12.5	*15.5	63	6	4			48	6	2	*3.0	6.0	29	15	3	4.0	6.0	23	12	4	2.5	4.5	28	2	8	*4.0	*7.0	23	2	2	2.5	4.0
17	147	2	2	12.0	18.0	102	7	6	*9.0	*12.0	63	15	6			48	7	2	*3.0	6.0	30	14	4	3.0	4.5	28	9	5	5.0	9.0	32	4	4	5.0	8.0	23	2	2	2.5	4.5
18	147	2	2	11.5	17.0	102	7	4	*7.0	*11.5	67	10	6			56	6	8	*5.0	7.5	34	12	4	3.0	4.5	39	6	4	3.5	6.5	37	3	5	4.5	8.0	23	4	2	2.5	4.0
19	147	2	2	9.5	15.0	112	2	4	7.0	11.0	87	10	6	*5.5	*8.0	66	15	6	*6.0	11.5	49	3	3	4.0	6.5	47	2	4	4.0	7.0	38	4	2	5.0	8.0	23	4	0	2.5	4.0
20	149	0	2	8.0	13.0	118	4	2	*9.0	*14.0	95	4	8	*5.0	*8.0	72	13	4	*8.0	12.5	51	7	3	6.5	11.0	49	2	4	5.0	9.0	40	2	4	*5.5	*8.5	23	2	0	2.0	3.5
21	149	4	2	7.0	11.5	118	4	2	*8.0	*12.5	95	4	4	*6.5	*9.5	75	5	7	*7.0	14.0	53	5	3	7.0	9.5	49	4	4	5.5	9.0	38	2	2	*6.0	*8.5	23	4	0	2.0	3.5
22	151	4	2	6.5	10.5	122	2	2	10.0	15.5	97	6	4	8.0	12.0	78	6	8	9.0	14.5	55	3	5	7.0	10.0	49	4	2	5.5	9.0	38	2	2	*4.5	*7.5	23	2	0	1.5	3.0
23	153	2	2	7.0	10.5	124	2	2	9.5	14.0	97	6	2	*7.5	*11.0	78	8	6	*8.5	13.5	56	2	4	7.5	10.0	51	2	4	6.0	9.0	38	2	2	*4.0	*7.0	23	0	0	1.0	2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month March 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	158	2	4	7.0	10.0	135	5	5	8.5	13.0	118	6	8	7.5	11.0	98	6	10	7.5	12.0	72	2	10	5.0	11.0	60	4	2	*3.0	*7.0	40	4	6	4.5	8.0	24	3	0	1.0	3.0
01	157	5	3	7.0	10.0	137	3	7	8.5	12.0	118	6	8	7.5	12.0	100	4	12	8.0	12.0	70	6	8	5.5	10.0	62	9	4	*4.0	*7.5	38	4	4	4.5	7.5	26	1	2	1.0	4.0
02	156	5	3	7.0	10.0	134	8	4	7.5	12.0	118	6	8	7.0	11.5	96	10	8	7.0	10.0	70	6	8	6.0	12.0	60	4	2	*5.0	*9.0	38	2	4	4.5	6.0	26	2	2	2.0	3.5
03	156	4	2	7.0	10.0	135	5	5	8.0	11.5	115	7	7	10.0	15.0	95	9	5	6.5	11.5	70	6	8	*5.0	*10.5	58	8	2	*5.0	*8.0	36	5	3	2.0	4.5	26	2	2	1.5	4.0
04	156	5	2	7.0	10.0	134	6	6	9.0	13.0	112	10	4	8.5	14.5	92	10	6	9.0	14.0	70	4	8	5.5	11.0	56	6	2	*4.0	*7.5	34	4	2	4.0	5.5	26	2	2	1.0	3.0
05	158	4	4	7.5	10.0	132	10	6	8.0	11.5	111	9	6	7.0	12.0	86	14	12	4.5	7.0	68	6	12	5.0	12.5	54	4	2	3.5	7.0	36	4	2	2.5	5.0	26	2	2	3.0	4.0
06	156	3	2	6.5	9.5	124	13	4	6.5	9.0	103	17	13	6.0	11.0	80	15	10	4.0	7.5	62	8	10	*5.0	*13.0	58	6	6	3.0	10.0	40	4	2	4.0	7.0	26	2	2	2.0	4.5
07	154	4	2	6.5	9.0	124	13	8	6.5	9.0	101	16	7	*6.0	*9.0	78	10	10	*3.0	*6.0	54	12	7	*4.5	*8.0	52	6	10	6.5	13.0	40	6	3	2.0	4.5	26	2	2	3.0	5.0
08	154	4	2	*6.5	9.0	122	16	8	*8.0	10.0	102	14	8	*10.0	*15.0	74	18	6	*3.0	*5.5	50	13	8	*5.5	*9.0	46	12	8	*7.5	*12.0	36	6	4	4.5	7.0	26	2	2	2.0	4.0
09	*154			7.5	9.5	120	16	7	5.0	7.5	*101			*8.0	*13.0	*76			*2.0	*4.0	48	12	6			38	14	2	*4.0	*6.0	*34			5.0	9.5	26	2	2	4.0	5.0
10	154	2	4	7.5	10.0	119	5	5	*8.0	11.5	96	20	4	*7.0	*11.0	70	25	4	*2.5	4.0	47	9	5			36	12	2	*8.0	*12.5	38	10	2	4.0	6.0	26	1	2	2.5	5.0
11	154	2	4	9.0	11.0	120	16	5	6.0	8.0	96	24	8	*6.0	*9.0	70	30	4	3.0	5.0	46	10	4	*4.0	*7.0	38	11	6	*5.0	*9.0	38	5	7	4.5	9.5	26	2	2	3.0	5.0
12	154	6	4	8.5	11.0	123	16	6	7.0	9.5	102	20	9	*8.5	*15.0	75	27	9	2.5	5.0	48	14	6	4.0	8.0	38	12	5	*3.0	*8.5	38	10	7	4.5	7.5	26	6	2	2.0	4.0
13	155	6	4	7.0	10.0	124	16	6	8.0	10.0	108	12	8	9.0	14.0	76	24	7	4.0	5.5	48	16	4	*3.0	*6.0	41	11	7	*3.0	*7.0	42	8	2	2.0	4.0	30	4	4	1.0	3.5
14	156	4	4	7.5	10.5	128	12	11	7.0	10.5	102	20	10	6.0	12.0	80	22	10	*7.0	*10.0	52	12	10	*6.0	*9.0	47	9	7	*4.0	*10.0	43	10	5	4.0	8.5	30	6	4	3.5	5.5
15	156	5	4	8.0	10.5	130	12	14	9.0	10.0	108	16	14	10.0	13.5	76	26	8	6.0	7.0	50	10	8	*4.0	*8.0	50	12	13	*6.0	*11.5	46	6	10	5.0	8.5	30	4	2	2.5	4.5
16	157	4	5	8.0	10.5	132	7	18	7.5	12.0	106	16	15	10.0	16.0	80	22	13	7.5	12.0	56	13	15	*3.5	*10.0	56	8	14	*4.5	*8.5	48	6	4	4.0	7.5	32	7	6	5.0	8.0
17	156	7	4	7.5	10.0	132	12	15	6.0	12.0	112	16	12	7.5	11.5	87	20	11	6.0	10.5	62	12	14	4.5	9.5	60	8	6	4.0	7.5	50	4	4	6.0	9.0	30	8	5	4.0	7.0
18	157	5	5	6.5	9.0	131	13	14	7.0	12.0	114	14	6	7.0	12.0	98	11	11	6.0	11.0	70	8	8	4.5	9.0	64	4	8	4.0	8.0	50	4	5	4.0	7.5	30	6	6	3.0	6.0
19	157	5	4	6.0	8.5	136	8	11	7.5	12.0	116	12	8	7.0	12.0	102	8	12	7.0	12.0	74	2	12	*3.5	*9.0	64	4	8	*4.5	*9.0	48	4	4	5.0	7.5	30	4	2	1.0	4.0
20	158	5	4	7.0	9.0	136	6	10	8.0	12.5	117	9	7	7.0	11.0	102	6	12	6.0	10.0	74	2	12	3.5	8.5	62	4	6	3.5	7.0	44	5	5	2.0	5.0	26	4	1	1.0	3.5
21	158	5	4	7.0	9.5	136	6	9	7.0	10.5	118	7	9	7.5	12.5	101	6	12	8.0	13.0	72	6	10	6.0	10.5	62	2	8	*4.0	*7.5	42	6	6	3.5	5.5	24	3	0	1.5	3.0
22	158	4	5	7.5	10.5	138	2	10	7.5	10.5	120	4	11	6.0	11.0	100	8	12	8.0	12.0	72	4	10	5.0	11.0	60	6	6	*3.5	*7.5	42	8	6	3.5	6.5	24	2	0	1.0	3.5
23	158	4	6	7.5	10.5	138	3	10	9.0	12.0	120	4	7	8.0	12.0	102	7	10	7.5	12.0	72	4	10	5.0	11.0	62	6	3	*3.5	*6.0	40	12	2	4.0	7.5	24	2	1	1.5	3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month April 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	157	4	3	8.5	10.5	136	6	2	8.5	12.0	119	4	6	7.5	10.0	99	8	6	8.0	11.0	73	6	6	7.0	8.5	65	4	6	6.0	7.5	42	6	4	6.0	7.5	26	2	2	3.0	4.0
01	155	6	2	9.0	11.0	138	4	4	9.0	11.5	117	6	4	8.5	12.0	100	7	11	8.0	11.0	73	6	10	*7.0	*10.0	63	6	4	*5.5	*7.0	42	6	4	7.0	9.0	26	2	2	3.0	3.5
02	155	6	2	9.5	12.0	136	6	4	10.0	12.5	116	7	5	9.0	12.5	97	8	10	9.0	11.5	71	8	8	7.5	9.0	63	3	4	6.5	8.0	42	4	4	6.5	8.0	26	4	2	4.0	5.0
03	155	4	2	10.0	12.0	136	4	4	10.0	13.0	115	6	6	9.0	13.0	95	10	8	8.5	11.0	69	8	4	*9.0	*12.0	63	2	8	7.0	9.0	38	8	4	6.5	7.5	26	3	2	2.5	3.5
04	155	4	2	10.0	12.0	134	5	3	11.0	15.0	111	8	4	11.0	16.0	91	13	8	11.5	14.5	69	6	9	*9.0	*12.0	59	4	6	7.0	8.5	36	5	4	4.0	4.5	26	2	2	2.5	4.0
05	155	2	2	10.0	12.0	130	8	6	10.0	13.0	107	7	11	11.0	16.0	85	12	13	10.5	14.0	65	8	8	10.0	12.5	57	6	4	*8.0	*10.5	42	4	5	*5.5	*6.5	26	2	0	*2.5	*3.5
06	153	4	4	8.0	10.0	125	9	7	8.5	9.0	105	8	15	11.5	15.5	73	24	8	*7.0	9.0	60	5	11	*10.0	*13.0	54	5	7	*8.0	*10.0	42	6	4	7.0	9.0	26	4	0	*3.0	*4.0
07	153	2	4	8.0	10.0	122	11	6	7.0	8.0	101	8	8	*8.5	*12.0	79	6	12	8.5	10.5	50	8	5	*5.0	*8.0	47	11	8	*7.5	*10.0	38	9	6	*6.0	*7.0	28	2	4	*3.0	*4.0
08	152	3	3	7.5	9.5	122	6	6	10.5	120	*99			*11.0	*15.5	*73			*8.5	*10.0	*49			*6.0	*8.0	*41			*7.5	*10.0	*36			*10.0	*12.0	28	2	4	*4.0	*5.0
09	151	4	2	8.0	10.0	126	6	10	11.0	14.0	101	10	10	*10.0	*15.5	*69			*8.5	*10.0	*49			*6.5	*8.5	42	6	5	*4.0	*5.0	34	5	4	*6.0	*8.0	26	4	2	3.0	4.0
10	153	4	4	8.0	10.0	124	7	4	10.5	13.5	99	8	6	*9.0	*13.5	71	17	6	6.5	8.0	*45			*3.5	*4.0	39	10	5	*7.5	*8.5	*38			*10.0	*12.5	28	2	4	*4.0	*5.0
11	153	4	2	8.0	10.0	128	2	8	10.0	13.5	101	17	5	8.0	12.0	80	21	15	13.0	17.0	47	4	4	*3.0	*3.5	39	6	6	*3.0	*4.0	40	2	5	*3.5	*5.0	28	2	2	*3.0	*4.5
12	155	6	4	8.0	11.0	130	7	3	9.0	13.0	111	5	10	8.0	11.5	89	19	22	13.0	19.5	49	9	4	*2.5	*3.0	43	13	8	*3.0	*3.5	40	8	4	*8.0	*10.0	30	4	2	*4.0	*5.0
13	157	5	2	8.0	10.5	134	7	5	8.0	11.5	113	10	10	8.0	12.5	94	18	26	9.5	13.5	49	12	6	*2.5	*4.0	45	10	8	*3.5	*5.0	46	4	4	*4.0	*5.0	34	3	3	*4.0	*5.0
14	159	4	2	8.5	11.0	137	5	5	8.5	11.0	115	12	10	8.5	11.0	95	16	24	10.5	15.0	51	18	8	*3.5	*5.0	49	11	10	6.5	8.0	48	6	4	*5.0	*6.5	36	2	2	*4.5	*5.0
15	159	4	0	7.5	10.0	138	5	5	9.0	11.0	113	10	7	7.0	9.5	95	11	19	*9.5	*14.0	54	12	8	*7.5	*9.0	53	9	9	*7.0	*9.0	48	5	3	*5.5	*7.0	36	2	2	4.5	5.5
16	161	4	4	7.5	10.0	136	8	4	8.0	11.0	114	14	8	8.0	10.0	97	14	23	9.5	14.0	59	8	14	*5.0	*6.0	57	8	8	*5.0	*7.0	52	2	4	*5.5	*7.0	38	3	4	4.0	5.5
17	159	4	2	7.5	9.5	138	6	6	7.5	11.0	115	11	9	7.0	11.0	94	13	17	9.5	14.5	61	10	10	*7.5	*9.0	59	10	4	5.0	7.0	54	2	4	5.0	7.0	36	4	2	5.0	6.0
18	157	4	2	7.0	9.0	138	4	6	7.0	10.0	118	10	5	7.5	9.0	99	5	6	6.5	8.5	69	5	5	*5.0	*7.0	67	3	5	*5.0	*6.5	54	2	4	*5.0	*7.0	36	7	5	4.5	6.0
19	159	4	4	7.0	8.5	138	6	4	7.0	9.5	121	6	6	6.5	9.0	101	10	4	6.5	9.5	73	6	4	5.0	7.5	67	4	4	5.0	6.0	54	2	4	6.0	7.0	30	8	4	4.0	5.5
20	159	4	4	7.0	9.0	138	8	4	6.5	9.0	119	6	6	6.0	8.0	101	8	6	6.5	9.0	75	6	6	5.5	7.0	65	6	2	4.5	6.5	50	4	6	5.5	7.0	26	6	2	3.5	4.0
21	158	4	2	7.5	9.0	138	6	4	7.5	9.5	119	6	4	6.0	7.5	101	6	8	6.0	8.0	73	8	4	5.0	7.0	65	4	4	6.0	7.5	48	5	7	*6.5	*8.5	26	4	2	3.5	4.0
22	157	4	2	7.0	10.0	136	4	4	8.0	11.0	119	6	4	6.5	8.5	101	10	4	6.0	9.5	73	6	4	6.0	8.0	63	8	2	*5.0	*6.0	48	4	6	6.0	7.0	26	4	2	3.0	4.0
23	157	4	2	8.0	10.0	136	6	2	8.0	11.0	119	6	6	7.0	8.5	101	6	6	7.5	10.0	71	10	2	6.5	8.5	65	8	2	*5.0	*6.0	48	6	5	*7.5	*9.0	26	4	2	3.5	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month May 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	156	4	2	8.0	10.5	138	4	5	8.5	11.0	116	8	4	6.0	9.0	97	7	8	7.5	9.0	69	6	11	5.0	7.0	60	8	7	5.0	7.0	47	4	5	7.0	10.0	24	4	2	*3.0	*3.0
01	157	3	7	9.0	11.0	138	4	5	8.5	13.0	116	6	6	7.5	10.5	95	12	8	7.5	10.5	67	10	8	*6.0	*8.0	60	7	7	5.0	7.0	47	6	4	6.0	7.5	24	2	2	2.5	3.0
02	156	2	4	9.0	12.0	136	6	4	9.0	12.0	116	6	8	8.0	11.0	93	12	6	8.0	11.0	65	9	9	6.0	8.0	56	12	4	6.0	8.0	45	7	6	6.0	7.0	24	2	2	*2.5	*3.0
03	156	2	4	9.0	11.5	136	6	6	9.0	11.5	116	6	6	8.0	11.5	93	12	8	8.0	11.0	65	8	10	7.0	8.0	57	9	8	6.5	7.5	43	6	6	5.0	6.0	24	2	2	3.5	4.0
04	156	2	4	10.0	12.5	136	4	4	10.0	13.0	112	8	6	10.5	12.0	88	13	9	10.0	13.0	65	10	12	9.0	11.0	57	5	11	*7.0	*9.0	43	6	6	7.0	8.0	25	1	3	*2.5	*3.0
05	155	1	3	9.0	12.5	130	8	6	9.0	12.0	102	15	12	12.0	12.0	75	17	8	7.5	9.0	59	10	10	*9.0	*11.5	56	7	8	*7.0	*9.0	45	4	4	7.5	6.5	26	2	4	2.0	3.5
06	152	4	2	9.0	12.0	126	2	8	9.0	11.0	98	18	12	*10.0	*15.0	73	24	9	*11.5	*13.5	51	14	8	*6.0	*7.5	51	9	10	*8.0	*10.5	43	6	6	6.0	7.5	26	4	2	*4.0	*4.5
07	154	2	5	10.0	13.5	124	11	8	10.0	11.5	98	17	10	*8.0	*13.0	71	23	4	8.0	8.5	44	13	7	*2.5	*3.5	42	14	9	*7.5	*11.5	39	8	4	6.5	10.0	26	6	2	*4.0	*5.5
08	152	6	4	9.0	12.0	128	3	11	10.5	12.0	98	11	7	10.5	12.5	69	18	5	*4.5	*6.0	41	8	2	*2.0	*3.0	39	12	6			35	6	5	7.0	10.5	26	4	4	*3.0	*4.5
09	152	4	4	11.0	13.5	126	4	4	*11.0	*13.0	98	10	7	*8.5	*9.0	69	18	4	*4.0	*4.0	43	5	4	*2.0	*3.0	35	17	3	*2.0	*3.0	35	5	6	7.5	10.0	26	2	4	*3.5	*4.0
10	154	2	2	8.5	12.0	128	5	5	10.0	12.0	96	18	4	*11.0	*13.0	69	29	4	*5.0	*5.5	43	9	6	*3.0	*4.0	35	13	4	*3.0	*4.0	35	8	6	9.5	11.5	26	7	2	*5.0	*4.5
11	154	3	3	*9.0	*11.0	128	5	3	8.0	11.5	98	10	6	7.0	9.5	71	21	4	4.0	5.5	45	10	6	*1.5	*3.0	39	6	7	*5.0	*6.0	37	6	4	4.0	6.0	28	5	2	*3.5	*5.5
12	156	3	2	9.0	11.5	130	5	4	9.0	12.5	104	14	8	6.0	10.0	79	22	5	9.5	10.5	45	7	5	*3.5	*5.0	36	11	6	*3.5	*4.5	39	6	4	4.0	5.5	30	5	3	*3.5	*5.0
13	158	2	4	7.0	10.0	133	10	3	*7.0	*10.0	108	17	8	10.0	12.0	83	21	14	12.5	11.0	47	10	10	*3.0	*4.0	42	13	11	*3.5	*5.0	43	4	11	5.0	7.0	33	7	3	*5.0	*5.5
14	160	4	4	6.5	9.5	134	10	2	6.5	9.0	114	12	12	7.5	9.0	87	23	14	9.0	10.0	47	24	8	*3.0	*8.0	43	20	7	*5.0	*7.5	46	13	3	2.5	4.0	34	5	2	*3.0	*4.5
15	160	4	4	7.0	11.0	136	10	4	8.0	10.0	114	14	12	9.0	11.5	95	13	23	*9.5	*15.0	49	19	6	*5.5	*8.5	49	15	8	*7.0	*8.5	49	6	6	4.5	6.5	36	4	4	*4.0	*5.5
16	160	4	2	7.0	10.0	135	12	10	7.0	11.0	114	14	12	8.0	12.5	93	14	18	8.0	13.5	55	19	12	*5.5	*10.0	54	16	8	*5.5	*8.0	51	6	5	5.0	7.0	38	4	5	*3.5	*5.0
17	160	3	2	6.5	9.0	136	11	6	7.5	11.5	114	16	12	7.0	12.0	94	25	18	10.0	15.0	57	8	9	*6.0	*7.5	59	10	7	*5.0	*7.0	52	10	5	3.5	5.0	36	4	4	*5.0	*5.5
18	158	7	2	7.5	9.5	134	7	6	7.0	11.5	116	7	8	8.0	12.0	93	12	9	7.0	9.0	63	7	8	*4.5	*6.0	63	6	6	*5.0	*7.0	52	5	3	7.5	8.5	34	7	4	*6.0	*7.0
19	158	6	2	7.5	9.5	138	8	4	8.0	11.5	118	8	5	7.0	10.0	98	7	7	6.0	9.5	69	6	4	*5.5	*6.5	65	4	7	*4.5	*6.0	51	6	2	5.5	7.0	30	8	2	3.5	5.0
20	157	3	1	7.5	10.0	138	5	4	8.5	11.5	118	6	3	6.5	9.0	98	9	6	7.5	10.0	71	6	8	*5.0	*6.5	65	4	9	*5.0	*7.5	51	4	2	4.0	6.0	28	4	2	*4.5	*5.5
21	158	2	2	7.5	10.0	138	5	4	8.0	10.0	118	6	6	6.5	8.5	99	8	8	7.0	9.5	69	10	6	*5.5	*7.0	63	6	5	*5.0	*7.0	49	6	4	6.0	7.0	26	4	2	*3.0	*4.0
22	158	2	4	8.0	10.0	138	3	4	8.0	11.5	119	4	5	7.0	10.0	99	5	8	7.5	11.0	70	5	9	*5.5	*7.5	62	6	10	*5.5	*7.5	49	6	6	6.0	7.0	26	2	4	*3.5	*5.0
23	158	2	4	8.5	11.0	138	3	4	8.0	11.0	118	5	3	7.0	9.5	99	8	8	7.0	11.0	69	6	11	*6.0	*8.0	61	8	5	*5.5	*7.0	47	8	4	6.0	8.0	26	2	4	*3.5	*4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month March 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	150	4	2	*6.5	*11.5	127	3	2	*9.0	*14.0	110	4	6	7.0	12.0	86	6	2	*6.5	*11.0
01	151	2	3	7.5	13.0	128	3	2	9.0	14.5	110	2	4	7.5	13.0	86	4	2	6.5	10.5
02	151	4	4	8.0	12.5	127	5	0	8.5	14.0	108	6	3	7.0	12.0	86	2	2	5.5	10.5
03	151	3	4	8.0	13.0	128	3	2	9.5	15.5	106	7	2	7.0	11.5	84	4	4	6.0	10.5
04	151	2	3	*9.0	*13.0	128	4	5	*8.0	*14.0	104	8	3	6.0	11.5	82	5	4	*7.0	*12.0
05	151	4	2	*9.0	*14.0	127	4	4	*10.0	*16.0	98	8	4	*7.5	*13.0	72	9	7	6.0	10.5
06	150	3	3	7.5	13.0	116	4	4	7.0	11.0	86	12	6	*5.5	*8.5	60	9	8	*5.0	*8.0
07	149	3	5	*7.0	*11.0	109	11	4	6.0	9.0	78	8	4	*3.0	*6.0	60	9	8	*4.0	*5.5
08	149	2	5	8.0	12.5	105	10	5	*7.0	*10.0	78	12	6	*10.0	*14.5	58	11	3	*3.0	*5.0
09	149	4	4	*9.5	*14.0	107	9	8	*6.5	*9.0	77	7	5	*3.0	*5.0	*60				
10	*148			*10.5	*15.0	*110			*14.0	*17.5	79	11	7	*8.5	*10.5	60	11	5	*3.0	*5.0
11	149	4	3	11.5	16.0	111	14	4	9.5	14.0	74	14	4	*8.0	*12.0	60	13	4	*7.5	*4.0
12	149	4	2	11.0	16.0	111	8	4	*6.5	*10.0	80	7	4	*2.0	*4.5	60	11	2	*4.0	*6.5
13	149	2	4	10.0	14.5	111	10	4	7.0	10.5	78	11	3	2.0	4.0	60	11	2	*6.5	*8.5
14	149	3	4	10.0	13.5	111	8	4	*5.5	*8.5	78	11	4	*3.0	*5.0	60	11	4	*6.0	9.0
15	151	2	3	10.0	16.5	111	5	4	6.0	8.5	78	9	5	*7.0	*5.5	60	11	4	*3.5	*6.0
16	151	2	3	*7.0	*12.0	111	5	4	5.5	8.0	80	13	5	*3.5	*5.5	60	15	4	*5.0	*7.5
17	151	2	4	*7.0	*12.0	109	11	4	4.5	7.0	88	12	8	*4.0	*10.0	74	12	9	*5.0	*9.0
18	151	2	4	6.0	10.0	117	10	8	5.5	8.5	94	12	5	*5.5	*9.0	80	8	6	*6.5	*11.5
19	151	3	3	8.0	12.5	123	6	4	8.0	12.0	100	8	4	6.0	10.0	82	7	2	*5.5	*11.0
20	151	3	2	*7.0	*12.0	125	4	2	6.5	11.5	102	10	2	*8.0	*13.0	86	9	4	*6.0	*11.0
21	151	2	3	8.0	12.0	127	2	4	7.0	12.5	106	4	5	*7.0	*10.5	86	7	4	7.5	12.5
22	151	4	2	8.0	12.0	127	6	3	8.0	13.5	108	5	4	7.0	13.0	88	4	4	7.0	11.5
23	151	2	3	8.0	13.5	127	5	2	*8.0	*14.5	108	4	4	7.5	12.5	86	5	6	*6.0	*11.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	59	8	4	5.5	9.0	56	4	2	*4.0	*7.5	36	5	1	*3.0	*5.0	23	0	1	1.5	3.0
01	57	6	2	*4.5	*7.5	56	2	2	4.0	8.0	36	4	2	*4.0	*6.0	23	0	0	1.0	3.0
02	57	6	4	*4.5	*7.5	56	4	2	4.5	8.0	36	4	2	*3.5	*6.0	23	0	0	1.0	2.5
03	57	6	6	*7.0	*11.5	74	7	7	*9.0	*12.0	36	4	3	4.0	6.0	23	0	0	1.0	2.5
04	55	7	4	5.0	11.0	70	4	6	*6.5	*10.5	32	2	2	3.0	5.0	23	0	0	1.0	2.5
05	55	6	4	*5.0	*8.5	72	4	7	*8.0	*13.0	32	4	2	2.5	4.5	23	0	0	*1.0	*2.5
06	49	9	3	*5.5	*9.0	60	8	8	*6.0	*11.0	38	2	3	3.0	5.5	23	0	0	1.0	3.0
07	42	9	3	*6.5	*8.5	49	7	8			36	3	2	*3.0	*5.0	23	2	0	2.5	4.0
08	40	5	3	*7.5	*11.5	40	7	4	*7.0	*10.0	33	4	3	*3.5	*5.5	23	2	0	*2.5	*4.0
09	39	3	2	*6.5	*10.5	38	6	2	*8.0	*10.5	30	6	2	*3.0	*4.5	23	2	0		
10	*39			*5.0	*7.5	*34					30	2	4			23	4	0	*1.5	*3.0
11	39	3	2	*8.0	*12.0	36	9	6	*10.0	*13.5	28	8	4	*2.0	*4.5	23	2	0	3.0	5.0
12	39	2	2	8.5	12.0	32	5	2	*6.5	*9.0	26	8	2	*3.0	*4.5	23	2	0	3.0	5.0
13	39	4	2	8.0	11.0	36	5	4	*6.0	*8.0	30	4	2	*4.5	*6.5	23	2	0	2.5	4.0
14	39	4	2	*7.0	*10.0	36	7	2	*6.5	*10.0	32	4	2	*2.5	*5.0	23	2	0	2.5	4.5
15	39	3	2	*8.0	*11.0	40	7	4	*3.0	*4.5	36	5	2	*4.5	*7.5	25	2	2	3.0	5.0
16	39	8	1	7.5	10.5	54	5	7			40	8	4	*5.0	*7.5	25	3	1	*2.5	*2.5
17	45	5	4	5.5	9.0	66	5	6	*8.0	*13.0	42	6	4	*5.0	*8.0	25	4	2	3.0	5.0
18	49	12	4	*5.5	*9.0	72	6	8	*7.5	*12.5	42	4	4	*4.0	*7.0	23	4	2	2.0	4.0
19	53	7	4	*6.5	*10.0	72	5	4			41	6	4	*4.5	*7.0	23	2	2	*2.0	*4.0
20	55	12	4	*5.0	*8.0	71	8	4	*7.0	*11.5	40	6	5		.	23	0	2	*1.0	*3.0
21	59	8	4	4.0	7.0	71	9	5	*5.0	*8.0	38	6	3	*3.5	*5.5	23	0	2	1.5	5.5
22	57	8	2	4.5	7.0	56	8	4	4.0	7.0	40	4	5	*4.5	*6.5	23	0	2	1.5	5.5
23	58	6	3	*5.0	*8.0	56	3	4	6.0	9.0	38	2	4	3.0	5.5	23	0	2	1.5	5.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6N Long. 140.5E Month April 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	153	3	4	*7.0	*11.5	129	2	4	*9.0	*14.0	106	6	4	7.0	12.0	85	7	3	6.5	11.5	60	7	5	3.0	5.5	58	5	4	3.0	6.0	41	6	8	*4.0	*7.0	23	2	0	1.0	2.5
01	152	5	5	*8.0	*12.0	129	3	4	*10.0	*15.0	106	4	3	7.0	11.5	85	6	3	*6.0	*10.0	59	5	4	2.0	5.0	58	4	4	*3.5	*6.0	41	4	5	*3.5	*6.5	23	2	0	1.0	2.5
02	151	6	4	*8.0	*12.5	129	3	3	*9.0	*14.0	106	6	4	*8.5	*13.5	85	6	4	*6.0	*10.5	59	6	4	*3.5	*6.5	58	4	4	4.0	6.5	39	6	2	*3.0	*5.0	23	2	0	1.0	2.5
03	151	4	4	*9.0	*13.0	129	4	4	*8.5	*13.0	106	5	4	*7.0	*12.5	85	6	6	*6.5	*9.5	60	5	6	*4.0	*7.0	78	3	8	*7.0	*11.0	39	5	4	*2.5	*5.0	23	2	0	*1.0	*2.5
04	153	5	6	*9.0	*13.0	127	6	2	*11.0	*15.5	104	6	5	8.0	13.0	81	7	8	*7.0	*11.5	59	6	6	4.5	8.0	74	6	8	*8.0	*13.0	33	6	2	3.0	5.0	23	2	0	1.0	2.5
05	151	4	3	*10.0	*14.0	123	1	4	9.5	14.0	92	6	8	*9.0	*14.0	63	10	6	*13.0	*18.0	57	7	4	*4.0	*7.5	63	6	5	*6.5	*11.0	39	5	5	*4.0	*7.0	23	2	0	*1.0	*3.0
06	149	4	3	7.5	13.0	117	16	6	*8.0	*12.0	83	9	6	*7.0	*9.0	59	6	2	*7.0	*9.0	45	7	2	*4.0	*7.0	52	5	6	*8.5	*13.0	37	5	2	4.0	7.5	24	3	1	1.5	3.0
07	149	2	2	*9.5	*13.0	111	10	6	*12.5	*12.0	80	8	7	*10.0	*17.0	61	4	5	*8.5	*4.5	41	2	2	*4.5	*7.5	40	8	2	*6.0	*9.5	35	4	4	*4.0	*6.0	23	2	0	1.5	4.0
08	151	2	8	*11.0	*10.5	113	8	8	*10.5	*13.0	80	15	8	*8.5	*13.5	59	6	2			41	0	2	7.0	11.0	38	5	5	*8.0	*10.0	31	4	2	2.0	4.0	23	2	0	*2.0	*4.0
09	149	2	4	*9.5	*13.0	115	4	9	*12.0	*15.5	*80			*14.5	*20.0	*59					39	2	2	6.0	11.5	34	6	4	*8.0	*10.5	29	2	2	*4.5	*7.0	*23			*1.5	*3.5
10	*150			*11.0	*14.5	*116			*12.0	*15.0	74	12	5	*6.5	*10.0	59	11	4	*5.5	*8.0	*39			*8.5	*11.5	*32					27	4	2	*4.5	*6.5	23	4	1	*3.0	*5.0
11	149	2	3	*9.0	*13.0	115	4	8	*13.5	*14.0	74	10	4	*4.5	*7.5	59	8	2	*4.0	*7.0	39	0	2	8.0	11.5	34	5	9	*9.0	*12.0	27	4	2	*4.0	*5.0	23	2	0	1.5	4.0
12	149	4	6	9.0	13.0	113	8	4	8.5	11.0	78	9	4	2.5	4.0	59	5	2	*8.5	*4.5	39	0	2	8.0	12.0	30	6	2	6.0	9.0	27	4	4	*3.0	*5.0	23	2	2	2.5	4.0
13	149	4	4	9.0	11.5	115	6	6	*8.5	*12.0	76	9	4	*2.0	*3.5	61	5	4	*5.0	*7.5	39	2	2	8.5	8.5	34	1	4	6.0	8.5	29	5	3	*4.0	*6.0	23	3	0	2.0	4.0
14	151	2	5	10.0	14.0	115	4	8	*10.0	*14.0	78	9	6	4.0	5.5	60	5	3	*3.0	*4.0	39	2	2	7.5	11.0	34	6	3	8.0	9.5	31	7	2	3.0	5.5	25	2	2	2.5	5.0
15	151	2	3	9.5	14.5	115	6	6	10.0	14.0	76	13	4	*5.0	*8.0	61	5	4	*3.0	*4.5	39	2	2	8.0	11.0	36	4	3	4.5	8.0	35	4	2	*4.0	*7.0	25	2	2	3.0	3.5
16	153	2	5	8.0	12.5	115	5	8	*7.5	*10.0	78	16	8	*7.5	*10.0	61	6	4	*4.5	*7.0	39	2	2	7.0	10.0	46	4	4	*7.0	*11.5	41	5	3	*4.5	*7.0	27	2	4	2.0	4.0
17	151	4	3	*8.0	*12.5	113	7	8	*9.0	*14.0	82	11	7	6.5	10.0	65	4	4	*7.0	*12.0	41	4	2	5.0	8.0	61	5	7	*7.5	*13.0	43	4	3	*4.0	*7.0	27	2	4	2.0	5.0
18	151	2	4	*7.0	*11.0	115	8	5	*8.0	11.0	92	8	4	8.5	12.5	77	7	3	*8.0	*13.0	48	4	3	*4.5	*8.5	70	6	6	*7.5	*13.0	43	3	2	3.5	6.5	25	5	2	2.5	4.5
19	151	5	2	6.5	11.0	123	4	4	10.0	13.0	100	7	6	9.5	15.5	83	6	4	*7.0	*13.5	54	3	3	3.5	7.0	73	7	9	*7.0	*12.0	45	3	4	*4.0	*6.5	25	4	2	2.0	3.0
20	153	3	4	7.0	11.0	127	2	6	9.0	13.5	102	7	4	*7.5	*14.5	85	4	4	7.5	14.0	57	2	4	*5.0	*9.0	74	6	5	*8.0	*14.0	43	7	4	*3.5	*6.0	23	4	0	1.5	2.5
21	153	3	5	*7.0	*11.0	127	5	4	*8.5	*14.0	104	6	5	6.0	11.0	85	6	2	6.0	11.5	59	2	4	4.0	7.0	78	4	8	*6.0	*11.0	41	6	4	*3.0	*6.0	23	2	2	1.0	2.5
22	153	2	5	*7.0	*10.0	129	3	6	*8.0	*12.5	104	7	4	7.5	12.0	85	6	2	7.0	12.0	61	2	4	3.0	6.5	57	5	3	*3.0	*6.0	43	5	6	*4.0	*7.0	23	2	0	1.0	3.0
23	151	6	1	7.0	11.0	127	4	4	*9.0	*12.0	106	6	4	*7.0	*13.0	85	6	4	6.5	10.5	61	6	4	3.5	6.5	56	8	2	3.5	6.0	41	5	4	*4.0	*7.5	23	2	0	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio af upper decile ta 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 pawer

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month May 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	155	4	2	9.0	14.0	130	5	2	8.0	14.0	109	3	5	7.0	12.0	86	6	4	7.0	11.0	63	5	6	4.5	7.5	56	4	4	4.0	7.0	42	8	4	*3.5	*6.0	25	2	2	1.5	3.0
01	157	2	4	9.0	13.5	132	4	4	8.5	14.5	107	4	5	7.0	12.5	84	8	4	*8.0	*14.0	61	6	4	5.0	8.0	54	4	2	4.5	7.0	42	7	4	*2.5	*5.0	25	2	2	1.5	3.0
02	157	2	3	9.5	14.0	132	4	4	*8.5	*14.0	107	4	5	7.0	13.0	86	4	6	8.0	14.0	61	7	4	5.5	9.0	54	4	2	4.0	7.5	42	4	3	*3.0	*5.0	25	0	2	1.0	3.0
03	157	2	2	10.0	14.5	132	6	3	10.5	16.0	107	9	4	7.0	13.0	83	7	4	*8.5	*15.5	60	7	3	5.0	9.0	71	6	17	*4.5	*9.0	40	8	4	3.5	6.0	25	0	2	1.5	3.0
04	157	3	2	10.0	14.5	130	8	4	9.5	15.0	103	5	6	*7.0	*12.0	71	10	11			59	6	4	5.0	10.0	62	6	4	*6.0	*9.0	38	6	5	*3.0	*6.0	25	2	2	1.5	3.0
05	155	3	4	9.0	14.0	124	3	5	*9.5	*14.0	87	10	7	*9.5	*14.0	58	18	5	*5.0	*8.5	51	8	7	7.0	11.5	52	9	6	*5.5	*10.0	40	4	4	4.5	7.0	25	2	2	1.5	3.5
06	153	5	4	9.5	14.5	120	10	11	10.0	14.5	87	12	12	*10.0	*15.0	58	16	4			43	5	2	*8.0	*11.5	44	5	6	*8.0	*12.0	38	6	4	4.0	6.0	25	4	2	2.5	4.5
07	153	6	3	10.5	15.0	114	12	9	*11.0	*14.0	89	13	14	*10.0	*17.0	60	9	6	*4.5	*9.0	40	3	1	7.5	11.0	42	6	8	7.0	10.0	32	7	2	*3.5	*6.0	25	2	2	2.0	3.5
08	153	5	3	10.5	15.5	118	9	10	*10.5	*16.0	87	15	11	*10.5	*17.5	58	16	4	*6.5	*9.5	39	4	0	7.0	11.5	38	6	6	*7.0	*10.0	30	6	2	*3.5	*5.5	25	4	2	2.0	4.0
09	153	4	3	11.0	15.5	118	11	8	*13.5	*19.5	87	13	11	*12.5	*20.0	*60					39	2	2	8.0	11.0	38	4	8	*8.5	*12.0	28	8	2	*2.0	*4.5	24	5	1	*2.0	*3.5
10	*155			*12.0	*17.0	*112			*13.5	*19.5	83	14	12	*12.0	*18.0	58	11	2			*39			*8.5	*12.0	*35			*8.0	*10.0	28	8	4	*2.0	*4.0	25	4	2	*2.0	*3.5
11	153	4	4	12.0	16.5	118	10	8	14.0	20.0	83	17	10	*12.5	*17.0	58	14	4	*2.0	*4.0	39	2	2	8.0	11.0	35	7	5	*8.5	*11.5	28	6	2	*2.0	*4.5	23	4	0	2.0	4.0
12	152	6	4	10.0	15.0	118	10	6	12.5	17.0	81	5	4	*7.0	*10.0	58	12	4	*4.5	*7.0	39	0	2	9.0	12.0	35	5	6	*6.5	*10.0	28	4	4	*2.5	*4.5	23	4	0	2.0	3.5
13	153	4	4	10.5	15.0	119	7	6	9.5	14.0	81	16	4	*9.0	*12.0	60	15	4	*5.0	*7.0	39	4	1	8.0	11.0	34	7	6	8.0	11.5	28	4	3	*3.0	*5.0	25	2	2	2.0	4.0
14	154	5	3	9.0	14.0	120	6	5	8.5	13.0	83	11	8	*7.0	*11.0	58	6	4	*4.5	*6.5	39	2	2	6.0	10.0	32	10	2	8.0	11.5	30	6	2	5.5	7.0	27	2	4	3.0	5.0
15	155	4	2	*7.0	*12.0	122	6	5	6.5	11.5	87	11	12	9.5	14.5	58	6	2			39	4	2	6.5	10.0	34	7	4	7.0	10.0	34	7	2	4.0	6.5	27	5	2	2.0	4.0
16	157	3	4	7.0	10.5	120	7	6	7.0	11.0	83	13	6	7.5	12.0	58	6	2	*3.5	*16.0	39	3	2	7.0	10.5	40	7	6	7.0	12.5	38	7	2	*4.5	*7.0	29	5	2	*2.0	*5.0
17	157	4	2	6.5	10.0	118	8	8	5.5	9.0	83	12	6	*6.0	*8.0	60	15	4	*4.0	*17.0	41	2	2	6.0	9.0	50	5	4	*4.5	*9.0	42	6	3	3.5	7.0	29	7	3	2.5	5.0
18	157	2	4	6.0	10.0	116	6	4	7.0	10.5	89	5	6	*6.5	*11.0	68	7	8	*7.5	*13.0	45	3	2	7.5	11.0	62	7	7	*4.0	*8.5	44	5	2	4.0	6.0	31	5	3	3.0	5.0
19	155	4	2	7.0	10.0	124	2	4	8.0	13.0	101	4	5	*7.0	*12.0	76	6	4	9.0	14.5	53	5	4	*6.5	*11.5	71	5	8	*9.0	*14.0	44	4	3	3.5	7.0	29	8	1	2.5	4.5
20	157	2	4	*7.0	*12.0	130	4	4	7.0	13.0	105	6	4	*6.0	*11.0	80	6	2	*6.0	*10.5	57	5	4	5.0	9.0	75	6	5			44	5	2	3.5	6.0	27	2	2	2.0	3.5
21	157	4	2	9.0	12.5	130	4	4	7.0	12.0	107	5	4	6.5	*11.5	82	6	2	*6.0	*11.0	59	6	4	*5.0	*8.5	74	4	5			44	3	2	*3.0	*5.5	27	2	2	1.5	3.5
22	157	4	2	8.5	13.5	132	2	5	7.5	13.0	107	4	4	*7.0	*13.0	84	4	4	6.5	11.5	61	4	4	5.0	9.0	56	4	4	5.0	8.0	44	4	4	*3.5	*5.5	25	3	0	2.0	3.5
23	157	4	2	8.0	13.0	131	3	3	8.0	12.5	107	4	4	7.0	11.0	84	5	4	*7.0	*12.5	61	5	4	4.5	8.0	56	4	2	4.0	7.5	42	6	2	*4.0	*7.0	25	2	1	*2.0	*4.0

F_{am} = medion volue of effective antenna noise in db obove ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of medion to lower decile in db
V_{dm} = medion deviation of overage voltage in db below meon power
L_{dm} = median deviation of averoge logorithm in db below meon power

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	*160					*140					*121					*108				
01	*160					*140					*121					*105				
02	*158					*141					*119					*106				
03	*158					*140					*115					*100				
04	*158					*139					*113					*97				
05	*158					*136					*109					*94				
06	*158					*132					*97					*67				
07	*157					*129					*93					*67				
08	*156					*126					*94					*69				
09	*158					*128					*98					*65				
10	*156					*128					*94					64	11	5		
11	*156					131	5	11			101	10	14			*67				
12	158	4	4			132	12	4			107	12	16			*75				
13	162	4	6			*134					*110					*87				
14	164	4	4			138	18	4			*113					*91				
15	164	4	4			140	14	4			*113					*89				
16	166	4	4			142	10	10			*117					91	18	26		
17	*164					*140					121	10	22			*88				
18	162	4	2			*141					115	12	10			99	12	8		
19	*164					*142					119	14	10			*106				
20	*164					*143					*119					109	4	8		
21	*163					*140					*119					111	4	12		
22	162	4	4			142	6	6			*119					111	4	10		
23	160	4	2			*140					*120					*108				

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	73	7	10			63	6	6			42	6	4			24	1	4		
01	73	5	7			62	4	7			40	8	6			22	2	2		
02	70	8	6			61	6	8			*38					22	4	2		
03	72	4	8			59	7	4			34	7	2			22	2	2		
04	73	6	10			59	7	6			36	4	4			22	2	2		
05	72	8	10			56	7	5			34	8	2			22	4	2		
06	*63					57	6	7			*40					22	3	2		
07	49	9	7			47	7	9			38	8	4			24	2	4		
08	*52					*47					*40					*24				
09	*50					45	4	4			38	10	4			26	0	2		
10	*50					*39					36	8	6			26	2	4		
11	*46					41	6	9			36	11	7			26	2	4		
12	*49					41	8	6			38	10	6			*26				
13	*48					43	23	6			42	5	6			28	4	4		
14	*50					46	29	8			44	12	5			30	12	4		
15	*52					50	17	10			46	8	6			30	12	2		
16	*55					56	10	9			50	6	2			*32				
17	*67					61	9	6			52	4	3			34	6	8		
18	72	8	8			65	9	4			54	4	4			*32				
19	80	7	11			69	10	6			52	10	2			26	7	2		
20	78	5	6			65	4	4			48	4	6			24	8	4		
21	78	4	6			63	5	3			43	7	5			22	7	2		
22	76	7	8			63	4	3			42	7	6			24	4	4		
23	77	5	6			*61					44	4	5			22	6	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month April 1963

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	155	7	4			134	8	8			107	10	6			96	9	7		
01	157	5	6			134	7	7			107	11	6			94	12	6		
02	155	6	3			134	7	8			105	10	6			94	12	6		
03	155	6	4			132	8	8			107	10	8			96	7	9		
04	157	4	6			134	7	9			105	10	6			94	7	7		
05	155	6	4			130	8	7			101	12	6			88	9	4		
06	155	4	5			124	11	4			83	22	8			58	24	2		
07	153	4	5			122	12	10			81	26	20			60	19	4		
08	153	4	4			120	8	12			*77					*59				
09	155	4	8			122	12	8			85	24	18			60	19	2		
10	153	4	6			122	10	16			81	24	14			60	20	3		
11	153	4	6			122	14	10			81	30	16			60	24	4		
12	153	6	4			122	12	10			86	23	19			60	24	4		
13	155	6	6			128	13	13			89	22	20			62	38	6		
14	157	4	6			128	12	12			93	29	24			69	31	13		
15	161	4	7			129	15	11			100	21	31			66	38	10		
16	161	4	8			131	13	14			97	22	32			68	34	14		
17	160	4	6			130	14	14			97	24	25			84	22	18		
18	159	4	8			130	14	12			102	17	13			92	12	8		
19	159	7	6			132	11	10			107	15	8			96	14	8		
20	159	6	6			134	10	10			107	12	4			98	11	7		
21	157	8	4			134	9	8			108	13	5			96	12	4		
22	157	6	6			134	10	6			109	10	6			96	12	6		
23	157	6	6			134	8	6			109	10	8			98	8	8		

Hour (LST)	2.5 Fam*	Du	Dℓ	Vdm	Ldm	5 Fam*	Du	Dℓ	Vdm	Ldm	10 Fam*	Du	Dℓ	Vdm	Ldm	20 Fam*	Du	Dℓ	Vdm	Ldm
00	75					65					42					27				
01	74					67					43					19				
02	74					63					40					19				
03	76					65					42					19				
04	76					63					34					19				
05	74					63					34					19				
06	72					61					40					19				
07	57					57					39					19				
08	50					49					37					23				
09	48					47					34					23				
10	48					45					38					23				
11	48					43					32					23				
12	48					45					28					24				
13	48					46					32					26				
14	48					45					38					27				
15	72					48					46					25				
16	46					55					46					26				
17	54					59					48					26				
18	66					66					48					22				
19	77					67					46					21				
20	79					65					43					21				
21	78					69					42					21				
22	76					66					41					19				
23	74					65					41					19				

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	6	2			128	11	4			105	8	7			94	14	8		
01	152	4	2			128	12	4			104	13	7			90	16	4		
02	152	5	2			128	11	6			104	13	7			90	11	6		
03	152	4	3			128	9	6			102	12	8			90	11	7		
04	152	4	3			126	8	4			100	12	6			90	13	7		
05	152	4	4			127	7	8			98	13	9			89	13	12		
06	152	4	4			122	9	7			84	16	8			62	10	14		
07	150	2	4			114	15	4			72	22	6			62	4	2		
08	148	7	2			112	18	5			74	30	6			62	17	1		
09	150	8	4			112	18	8			74	27	4			62	7	2		
10	150	8	4			113	17	8			74	21	3			62	14	2		
11	150	6	3			116	14	8			76	21	7			63	3	4		
12	151	8	4			116	14	6			74	22	6			60	12	2		
13	152	4	4			116	14	4			74	23	6			62	7	4		
14	154	4	4			120	12	4			74	28	5			60	11	4		
15	154	5	2			120	14	4			74	31	5			61	19	3		
16	156	4	4			121	13	4			74	30	4			62	22	4		
17	154	4	2			120	14	4			86	23	11			78	19	12		
18	154	5	2			122	16	4			96	20	6			90	15	8		
19	156	4	4			128	12	4			104	15	7			94	13	11		
20	154	6	2			128	14	3			104	19	5			94	13	6		
21	154	5	2			128	14	4			106	16	8			94	12	7		
22	154	5	2			128	13	2			108	12	9			94	12	6		
23	152	5	0			128	11	4			106	12	8			92	15	6		

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	63	8	9			53	5	11			31	5	5			23	5	3		
01	61	9	6			52	5	7			31	2	4			25	0	5		
02	63	2	10			53	3	6			31	4	2			24	2	5		
03	63	4	14			54	4	4			33	5	4			23	4	3		
04	63	6	4			52	6	2			31	9	4			23	4	3		
05	62	5	12			52	9	4			31	6	4			23	2	4		
06	57	14	8			52	11	6			33	8	4			23	4	2		
07	49	20	4			46	9	6			32	7	3			23	4	4		
08	*49					*44					*31					*23				
09	47	17	6			42	14	6			31	7	4			25	2	6		
10	50	15	6			44	10	10			29	6	2			27	1	8		
11	*51					44	6	8			29	6	2			25	2	6		
12	47	9	3			40	11	6			29	2	3			25	2	4		
13	47	12	3			38	12	6			29	4	2			25	2	6		
14	47	16	6			40	12	8			29	7	2			25	4	6		
15	47	13	3			40	9	6			33	4	4			27	2	8		
16	*47					44	8	6			37	5	7			27	4	7		
17	49	6	8			48	4	4			37	6	6			27	2	7		
18	55	10	4			52	11	2			41	2	10			27	4	4		
19	*62					*54					38	3	5			25	1	5		
20	65	10	6			56	11	2			34	10	5			25	2	2		
21	65	9	7			56	11	10			36	11	7			25	2	2		
22	63	12	13			56	9	13			33	7	6			25	1	5		
23	63	9	10			56	4	8			33	7	7			23	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month March 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	164	4	2	8.5	14.5	143	5	4	8.5	15.0	123	3	4	9.0	14.5	98	4	5	9.0	12.0	68	5	6	5.5	10.0	65	3	5	5.0	9.0	54	6	8	6.0	11.5	28	4	2	4.5	7.0
01	166	2	4	9.0	15.0	143	4	2	7.5	14.5	121	4	3	9.0	13.0	96	7	2	8.0	13.0	70	4	5	7.0	12.0	67	4	5	5.0	8.5	48	6	9	*7.5	11.0	26	2	0	2.5	3.0
02	166	4	4	9.0	16.0	143	3	2	8.5	14.0	121	4	3	9.0	14.0	98	6	4	8.5	14.0	72	4	4	7.0	11.5	63	4	3	5.5	9.0	44	6	8	6.0	10.0	26	1	0	2.0	3.0
03	166	3	3	8.0	15.5	143	3	2	9.0	16.5	121	4	4	9.0	13.5	100	4	6	8.0	13.5	72	4	4	6.0	10.0	63	4	3	6.0	9.0	38	11	6	6.0	9.0	26	0	2	3.0	4.0
04	166	3	2	9.0	17.0	143	4	3	9.0	17.0	121	4	3	10.0	16.5	98	6	2	*7.0	*14.0	72	4	4	6.0	10.5	63	2	4	5.5	*10.0	36	6	4	4.0	5.0	26	0	2	2.0	4.0
05	166	3	2	10.0	16.0	141	4	2	10.0	18.0	119	4	4	12.0	17.5	96	4	7	*11.0	*18.0	70	4	4	7.0	12.0	59	5	6	*6.5	*11.0	36	4	4	6.0	8.5	26	0	2	2.0	3.0
06	164	4	2	10.0	16.0	137	3	4	11.0	18.0	109	8	11	13.5	23.0	80	14	8	*12.0	*25.5	60	8	5	*8.5	*13.5	59	3	4	6.0	10.0	45	3	3	7.0	11.0	26	3	0	3.5	5.0
07	163	3	3	*12.0	*18.5	133	6	3	13.0	20.0	105	7	10	*12.0	*24.0	80	8	9			52	8	7	10.0	16.5	53	5	4	8.0	13.5	46	2	5	7.0	11.0	28	2	2	4.0	7.0
08	164	2	4	*13.0	*20.0	129	6	4	*13.5	*22.0	103	5	18	*13.5	*23.0	72	10	4			41	11	10	*8.0	*14.5	45	5	6	*9.0	*15.0	44	5	6	*7.5	*13.5	26	4	1	*2.5	*6.0
09	162	5	3	*13.5	*21.0	132	6	7	*12.0	*22.5	103	6	9	*15.0	*27.0	75	15	15	*13.0	*20.0	32	12	5	10.0	14.5	40	8	7	*9.0	*14.0	38	5	5	*9.0	*13.0	26	5	0	*3.5	*6.0
10	162	5	2	*13.5	*21.5	131	8	4	*14.5	*24.0	103	8	8	*13.0	*23.0	87	2	14	*6.5	*10.0	32	13	6	*11.0	*17.0	35	8	6	9.0	15.5	36	6	6	9.0	13.5	28	2	4	4.5	7.5
11	162	5	2	13.0	23.5	132	7	5	12.0	22.5	103	13	9	13.0	23.0	84	14	12	*11.0	*20.0	30	15	5	10.0	14.0	33	7	6	*9.0	*14.0	36	4	5	10.0	15.0	27	2	3	5.0	7.5
12	162	4	2	*13.5	*23.0	134	8	5	13.0	22.0	105	18	8	14.0	25.0	84	16	12	*9.0	*22.0	30	18	6	*9.0	*14.0	31	12	4	9.0	14.0	36	5	4	9.0	15.5	28	7	4	5.0	8.0
13	166	2	5	11.0	19.0	137	6	6	12.5	20.5	111	19	10	12.5	22.0	92	22	12	*10.0	*21.0	36	23	6	*8.0	*12.0	36	12	7	*8.0	*12.0	39	11	4	8.0	14.0	30	10	3	5.5	8.0
14	166	7	3	10.0	18.0	141	16	7	11.0	19.0	113	27	12	11.0	19.0	94	29	15	*10.0	*19.0	40	36	6	8.5	14.0	41	31	8	*6.5	*11.0	42	25	4	6.0	11.0	32	14	4	5.0	9.0
15	168	14	6	10.0	18.0	143	18	8	11.0	19.0	115	26	11	6.5	20.0	92	30	9	*9.5	*16.5	45	43	8	10.0	16.5	47	29	8	8.0	13.5	45	19	3	*6.5	*10.5	34	16	5	7.0	10.0
16	168	7	5	11.0	18.0	143	10	8	10.5	18.0	117	18	13	11.0	18.5	96	17	12	*11.0	*20.0	52	30	9	*8.5	*14.0	53	15	7	7.5	12.0	48	7	4	6.0	11.0	34	4	6	6.5	10.5
17	166	5	4	10.5	16.0	142	5	9	11.5	18.0	115	11	12	*10.0	*20.0	94	11	10	10.0	17.0	58	14	6	9.5	13.0	57	6	5	6.0	10.0	50	2	4	6.0	9.0	34	5	4	4.5	7.5
18	166	3	5	9.5	16.0	141	6	8	11.0	19.5	120	7	7	8.0	13.0	102	5	7	6.5	12.0	64	8	2	5.0	9.5	61	4	2	5.0	9.5	50	3	2	5.0	9.0	32	5	4	6.0	8.5
19	164	4	2	8.0	16.0	141	6	2	9.5	17.5	123	5	7	9.0	12.5	102	4	4	8.0	14.0	68	4	4	5.5	9.0	63	4	3	4.5	8.5	50	3	2	5.0	8.5	30	4	4	5.0	8.5
20	164	5	2	9.0	16.0	141	7	2	9.5	16.0	122	5	5	9.5	16.0	102	3	6	9.0	15.0	68	2	4	5.5	10.0	62	3	3	5.5	9.0	50	4	2	5.0	9.0	30	5	2	5.5	8.5
21	164	4	2	9.0	15.0	143	5	4	10.5	16.0	123	4	5	9.0	16.0	100	3	3	9.5	14.5	66	4	4	5.5	9.5	63	3	4	5.0	8.5	50	4	3	5.5	9.0	32	2	4	5.5	8.5
22	164	4	2	9.5	15.0	141	7	2	9.5	16.0	123	3	5	*9.0	*14.5	100	5	4	7.5	13.0	66	5	6	6.5	11.0	61	5	2	5.5	9.5	50	4	3	5.5	9.0	32	3	4	5.5	9.0
23	164	4	2	9.0	14.0	143	5	5	*9.0	*16.0	123	3	5	7.5	13.5	98	4	2	8.0	14.0	66	5	4	7.0	11.0	63	4	4	5.0	10.0	52	7	3	6.0	10.0	32	1	4	5.0	8.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month April 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	165	2	4	9.0	14.0	143	6	2	9.0	14.0	122	4	4	8.0	13.0	97	4	4	7.0	13.0	65	4	2	6.5	10.5	61	4	2	5.0	9.0	49	5	5	4.0	9.5	28	2	3	4.0	5.5
01	165	3	2	10.5	15.5	145	3	5	8.5	16.0	122	5	4	7.0	12.0	97	4	4	7.0	14.0	67	4	2	7.0	12.5	65	4	3	4.5	8.5	48	7	8	5.5	9.5	26	2	1	2.0	3.5
02	165	2	4	10.0	15.5	143	4	2	9.5	15.0	122	4	3	8.0	15.0	98	3	3	8.5	15.5	69	2	4	6.0	11.0	63	6	4	5.0	9.0	42	4	8	4.5	8.0	26	0	2	2.0	3.5
03	165	2	4	11.5	15.5	145	1	5	10.0	17.0	122	4	4	9.0	15.0	99	4	6	8.5	15.0	69	1	4	6.5	11.5	61	4	16	6.0	9.5	39	5	7	3.5	7.0	26	0	2	2.0	3.5
04	165	4	4	11.5	18.0	143	4	4	10.0	17.0	122	2	4	9.0	19.0	99	4	6	8.5	16.0	68	3	3	7.0	12.0	57	4	6	5.0	8.0	36	4	4	2.5	5.0	26	0	2	2.0	3.5
05	165	4	2	12.0	18.5	141	6	4	10.5	20.0	120	6	4	11.0	20.0	93	4	6	10.0	21.0	67	2	4	7.5	12.5	55	6	5	5.0	9.0	36	3	3	5.0	7.0	26	0	2	2.5	3.5
06	163	2	4	11.5	17.5	137	4	8	13.0	21.0	108	12	12	16.0	25.0	79	18	10	12.0	22.5	58	5	6	6.5	12.0	57	2	4	6.5	10.5	42	4	4	6.5	9.0	26	2	0	3.0	5.0
07	163	2	4	12.0	19.5	135	4	8	14.0	22.0	108	8	16	13.0	26.5	79	14	8			49	6	9	10.0	16.0	51	8	6	8.5	13.0	44	3	5	5.5	9.0	26	4	0	3.0	5.5
08	163	4	5	13.5	25.0	137	2	11	17.0	22.0	108	8	16	13.0	24.0	79	16	13	11.5	23.5	39	12	7	12.0	17.0	44	5	6	10.5	17.0	42	3	8	9.0	11.0	28	4	3	3.5	5.5
09	163	3	7	14.0	24.0	134	5	8	14.0	23.0	104	10	7	14.5	25.0	75	18	14	9.5	15.5	37	12	9	7.5	12.0	37	8	6	6.0	10.0	38	11	8	10.5	15.5	26	2	2	5.0	8.0
10	159	6	4	13.5	23.0	133	6	8	14.0	23.5	106	14	14	14.0	24.5	79	14	14	14.5	26.0	30	9	5	7.5	13.0	33	8	6	9.5	14.0	36	16	6	10.0	16.5	26	2	2	3.0	5.0
11	161	6	4	14.0	22.5	134	7	9	15.0	25.0	105	18	12	15.0	26.5	86	13	11	18.0	30.0	31	17	6	6.5	10.0	30	13	13	8.5	12.0	32	10	4	10.5	16.0	28	2	2	3.5	6.0
12	163	2	4	12.0	20.0	135	8	6	14.5	25.5	114	16	16	14.0	22.0	91	18	8	14.0	26.5	34	15	9	9.0	13.0	32	11	7	9.5	14.5	36	5	5	9.0	15.0	28	8	4	3.5	6.0
13	165	6	4	10.0	18.0	137	8	6	11.0	22.0	112	14	12	14.0	23.5	91	16	8	14.0	22.0	39	28	9	8.0	12.0	39	15	11	10.0	14.5	38	7	4	8.0	13.5	28	11	4	5.0	9.0
14	166	5	3	9.0	16.5	141	6	6	11.0	18.5	120	10	12	11.0	22.0	97	14	14	12.0	21.0	43	21	11	6.5	12.0	41	11	8	9.0	13.0	42	25	4	7.0	11.5	30	10	4	4.0	7.0
15	167	6	4	9.5	15.5	141	12	4	10.0	17.0	118	18	14	10.5	19.5	95	16	10	10.5	20.5	44	32	9	9.0	14.0	46	15	7	10.0	13.5	44	8	18	8.0	13.0	31	6	3	5.0	7.0
16	167	4	4	8.5	14.0	141	6	4	10.5	16.0	116	14	17	11.0	21.0	93	14	11	10.0	20.0	45	18	8	7.5	12.0	51	4	10	8.5	13.5	46	2	2	5.5	9.0	34	12	4	4.0	6.5
17	165	6	2	8.0	13.5	141	6	4	10.0	18.0	116	11	13	10.0	19.5	93	9	6	8.0	15.5	53	7	7	7.5	12.5	54	4	7	5.0	8.5	48	3	2	4.5	8.0	34	5	3	4.0	7.0
18	165	2	2	8.0	13.0	141	4	6	11.0	18.5	120	6	4	8.5	15.0	99	2	4	5.0	11.0	61	3	5	5.5	9.5	60	3	7	4.5	8.0	50	3	2	4.0	7.0	34	8	4	4.0	6.5
19	165	4	2	7.5	13.0	143	6	2	9.0	14.5	124	2	4	8.0	14.0	99	4	4	5.0	8.5	65	2	5	5.0	8.5	63	3	18	4.0	7.5	50	3	2	4.0	7.0	33	3	4	4.0	6.5
20	165	4	2	8.0	13.0	143	4	2	8.0	13.5	124	4	6	6.5	11.0	99	4	4	6.0	12.0	65	4	3	5.0	8.5	63	2	6	3.5	6.0	52	1	2	4.0	6.0	34	3	3	3.0	5.5
21	165	4	4	8.5	13.0	143	4	2	8.0	14.0	124	2	4	7.0	11.5	99	3	5	7.5	14.0	65	4	3	4.0	8.0	61	4	2	4.0	7.0	50	2	0	3.0	6.0	32	4	2	4.0	6.0
22	165	4	4	10.0	15.0	143	6	2	8.5	14.5	124	2	6	6.5	11.5	97	4	4	7.0	12.0	65	2	5	5.0	9.0	61	4	4	5.0	7.5	50	2	2	4.0	7.0	31	2	3	4.5	7.0
23	165	4	4	10.0	15.0	145	4	4	9.5	14.0	124	2	8	7.0	12.0	97	4	6	8.0	12.0	65	3	4	6.5	11.0	61	2	4	4.5	7.5	48	4	2	5.0	8.0	28	2	2	3.5	6.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 F_{am}	.013 D_u	.013 D_l	.013 V_{dm}	.013 L_{dm}	.051 F_{am}	.051 D_u	.051 D_l	.051 V_{dm}	.051 L_{dm}	.160 F_{am}	.160 D_u	.160 D_l	.160 V_{dm}	.160 L_{dm}	.495 F_{am}	.495 D_u	.495 D_l	.495 V_{dm}	.495 L_{dm}
00	166	4	4	11.0	15.0	147	4	4	9.0	15.0	126	6	2	8.0	13.0	100	7	5	*8.5	*14.0
01	168	3	4	10.0	15.5	147	2	4	10.0	15.5	128	3	7	9.0	14.0	99	8	4	*8.5	*15.5
02	168	4	4	11.0	17.0	147	4	5	10.0	16.0	128	3	8	9.0	16.5	101	4	8	*8.5	*15.0
03	168	4	6	12.0	19.0	147	4	6	9.5	15.5	126	6	8	8.0	17.0	99	7	6	*8.0	*14.5
04	168	4	5	11.0	17.0	145	4	4	10.5	16.5	124	6	5	10.5	17.5	101	4	7	*9.5	*19.0
05	168	4	4	11.0	18.0	145	4	4	10.5	18.5	122	6	8	*10.0	*18.0	93	5	11	*15.0	*22.5
06	166	3	3	11.0	17.0	139	8	6	11.5	18.5	114	14	16	*14.5	*26.5	85	18	12	*12.0	21.0
07	166	4	7	12.5	20.0	139	4	11	13.5	20.5	114	7	19	*15.5	*26.0	81	14	14	*15.0	*26.0
08	166	4	5	*13.0	*21.0	137	6	11	*15.5	*23.5	108	14	12	*15.5	*27.5	89	6	20		
09	165	3	6	*13.0	*20.0	136	4	9	*13.0	*20.5	107	11	11	*15.5	*24.5	83	10	12		
10	164	4	7	*14.0	*20.5	137	2	10	11.5	18.5	110	12	14	*10.5	*18.0	86	12	11	*12.0	*22.0
11	165	3	6	*10.5	*18.0	137	5	8	11.0	18.0	112	11	14	*17.5	*23.0	90	13	14	*16.0	*28.0
12	166	4	5	12.5	19.5	137	10	6	11.5	21.5	116	14	12	14.0	23.5	95	17	12	*16.5	*27.0
13	168	6	4	10.0	17.0	143	15	8	11.0	18.0	119	19	12	*14.0	*24.0	97	22	16	*14.5	*26.0
14	170	9	4	10.5	17.0	145	10	8	*10.0	*16.0	122	16	14	12.5	22.0	105	12	17	11.0	21.0
15	174	3	9	10.0	18.0	147	7	10	11.5	18.0	126	8	14	*13.5	*21.0	103	10	17	*12.0	*20.5
16	170	6	4	9.0	17.5	145	8	7	*10.0	*16.0	124	9	13	*13.5	23.5	102	7	12	*12.5	*21.0
17	170	3	4	9.5	15.0	147	4	11	12.0	19.5	124	6	11	10.0	19.0	99	6	10	*13.5	*22.5
18	168	3	4	9.0	14.0	143	8	4	12.0	20.5	126	6	6	7.5	12.5	103	6	7	7.0	*13.0
19	168	6	5	9.5	15.0	147	4	6	*8.5	*14.5	128	4	5	7.5	13.5	103	4	6	6.0	10.5
20	168	2	4	9.0	14.0	147	3	4	10.5	16.5	126	6	3	8.0	14.0	101	6	4	6.5	12.0
21	168	4	4	8.5	14.0	147	4	4	9.5	15.0	126	5	4	*6.5	*12.0	101	6	4	6.5	11.5
22	166	5	4	*11.0	16.5	145	5	4	*8.5	*13.5	126	5	3	7.5	13.0	101	6	4	*6.0	*12.0
23	166	4	4	10.0	15.0	145	5	4	*11.0	*17.0	126	4	4	*8.0	*13.0	101	6	5	7.5	14.0

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_l	2.5 V_{dm}	2.5 L_{dm}	5 F_{am}	5 D_u	5 D_l	5 V_{dm}	5 L_{dm}	10 F_{am}	10 D_u	10 D_l	10 V_{dm}	10 L_{dm}	20 F_{am}	20 D_u	20 D_l	20 V_{dm}	20 L_{dm}
00	70	2	8	6.5	11.0	61	7	6	6.0	10.0	46	6	8	4.5	8.0	26	3	2	2.5	4.0
01	68	6	6	6.0	11.0	64	5	5	5.5	10.0	42	7	6	5.0	8.0	24	5	0	2.0	4.0
02	68	6	4	6.5	11.0	59	8	4	*5.0	*9.5	40	7	4	4.0	7.0	26	2	2	2.5	4.0
03	70	4	7	6.0	11.0	55	6	2	5.5	9.0	38	7	5	3.0	6.0	26	2	2	2.5	4.5
04	70	3	6	7.0	12.0	57	5	9	5.5	9.5	36	8	4	4.5	7.5	26	4	2	2.5	4.0
05	68	6	4	8.0	13.0	55	8	4	6.0	9.5	36	10	2	5.0	7.0	26	1	2	2.0	4.0
06	62	4	6	*10.0	*17.0	59	2	7	7.0	13.5	46	3	4	5.5	9.0	26	3	0	2.5	4.5
07	54	10	13	*9.0	*16.0	53	4	9	*7.5	*14.5	44	4	5	7.0	11.5	26	4	0	3.0	5.0
08	40	15	6	*8.5	*15.0	45	6	10	*10.0	*17.0	43	1	7	*8.0	*14.0	26	3	2	*4.0	*6.0
09	36	12	6	*8.0	*13.5	38	5	14	*8.5	*16.0	36	7	10	9.0	16.0	24	4	1	*3.0	*5.0
10	34	15	4	*6.5	*11.0	35	10	6	*9.0	*14.0	36	6	6	*9.0	14.0	26	2	2	3.0	5.5
11	40	8	10	*6.5	*10.0	38	5	11	10.0	15.0	36	6	6	*8.0	*14.0	24	7	2	4.5	7.5
12	39	11	11	11.0	17.0	39	8	11	*10.0	*16.5	40	3	7	9.0	15.0	26	7	4	5.0	7.0
13	46	32	13	*11.0	*18.5	47	23	17	10.0	17.0	42	14	8	*8.0	*14.0	30	13	3	5.0	7.5
14	52	33	14	12.5	19.5	49	18	16	*12.5	*19.0	44	14	8	7.5	12.5	30	15	2	3.5	6.5
15	60	18	24	*11.0	*20.0	55	6	17	*8.5	*14.0	46	5	4	6.5	11.0	34	8	4	4.5	7.0
16	60	12	19	8.5	13.5	55	6	9	7.0	13.0	48	4	4	5.0	9.0	34	4	4	4.0	7.0
17	62	8	9	6.0	11.0	57	5	6	6.5	11.5	50	2	4	4.5	8.0	34	5	2	4.0	6.5
18	68	2	8	6.5	12.0	61	6	4	5.0	9.0	50	3	2	4.5	7.0	34	4	2	*4.0	*6.5
19	68	6	5	6.0	10.0	61	6	2	5.5	9.5	50	2	2	4.0	7.0	32	4	3	3.5	5.5
20	70	4	7	6.0	10.5	61	4	6	5.0	8.5	50	2	4	4.0	7.0	32	4	5	3.0	5.5
21	68	5	6	5.0	9.0	61	4	4	5.0	8.0	50	2	5	4.5	7.0	28	6	2	2.5	4.5
22	68	5	6	6.0	10.5	61	5	4	4.5	8.5	48	6	6	4.0	7.0	28	4	3	3.0	5.5
23	66	6	3	6.0	10.5	59	4	4	6.0	9.0	47	4	7	4.5	7.5	26	3	1	2.5	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Month March 19 63

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	152	8	4			131	8	11			113	7	12			93	10	9		
01	152	8	2			129	9	10			110	12	10			93	9	10		
02	152	11	3			130	12	9			110	14	9			94	9	11		
03	152	12	2			131	12	10			110	17	9			94	14	11		
04	152	13	2			131	14	5			108	19	7			92	12	11		
05	153	11	3			131	10	7			105	18	8			80	21	7		
06	152	10	2			127	14	9			94	18	6			77	28	8		
07	152	9	4			119	22	4			104	24	14			*79				
08	150	10	4			127	17	12			*110					*95				
09	*151					*130					*108					*83				
10	150	12	6			*117					*102					*89				
11	150	12	6			121	14	6			102	26	16			*89				
12	150	10	4			121	24	5			102	28	16			*81				
13	152	10	6			121	22	6			104	27	16			*83				
14	152	11	4			123	18	10			104	26	14			*84				
15	154	10	8			125	16	10			110	17	19			*81				
16	152	11	5			121	22	8			105	21	17			*82				
17	150	11	4			130	14	15			110	17	22			81	19	10		
18	150	11	6			129	14	14			107	18	17			86	14	13		
19	150	11	6			125	16	8			108	16	16			92	8	13		
20	150	11	4			127	14	6			110	14	15			91	13	10		
21	152	9	6			131	10	11			110	13	13			93	12	10		
22	151	8	4			132	9	10			108	16	10			93	13	11		
23	152	8	5			131	10	9			110	14	12			91	14	9		

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

Hour (LST)	Frequency (Mc) .013					.051					.160					.495																								
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	158	10	10			135	14	6			114	16	12			100	9	14																						
01	158	10	10			135	12	6			112	18	10			101	9	13																						
02	156	8	8			135	12	6			116	12	14			101	9	13																						
03	158	6	10			134	11	5			114	12	12			100	8	14																						
04	156	8	8			135	7	7			112	12	12			95	10	16																						
05	158	3	10			131	10	5			105	17	13			84	21	14																						
06	154	5	7			129	12	7			104	23	12			*80																								
07	152	6	4			129	14	6			106	19	14			*81																								
08	152	9	5			*129					*107					*84																								
09	*154					*127					*102					*80																								
10	152	10	4			127	16	10			*102					*77																								
11	154	7	6			129	13	6			106	26	14			*85																								
12	153	11	3			127	17	7			96	34	9			*88																								
13	154	6	4			127	13	9			98	34	12			*81																								
14	154	7	6			127	17	7			100	27	14			*81																								
15	154	8	6			127	14	8			110	19	20			*79																								
16	154	12	6			127	20	8			110	21	23			87	26	15																						
17	154	12	6			129	18	10			106	23	18			90	30	21																						
18	154	12	6			129	18	12			106	22	16			86	20	14																						
19	156	8	8			131	14	10			112	16	12			94	14	14																						
20	156	8	8			133	12	8			112	16	12			98	10	14																						
21	158	6	10			132	13	5			112	16	10			100	8	14																						
22	159	5	11			135	12	8			113	15	13			100	8	14																						
23	159	7	11			135	14	6			112	16	12			98	14	12																						

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495																					
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{nm}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	163	8	8			143	12	12			121	16	12			99	18	12																				
01	160	8	10			143	10	12			120	15	15			99	18	10																				
02	160	8	12			143	10	12			120	15	13			99	16	12																				
03	160	10	10			141	12	10			118	17	13			99	17	13																				
04	158	13	8			139	16	8			115	23	12			93	24	18																				
05	155	12	7			137	15	12			111	23	15			91	27	20																				
06	156	9	10			133	20	12			109	26	20			87	40	18																				
07	154	9	8			133	25	14			113	27	24			89	37	16																				
08	*154					131	21	11			113	30	22			*85																							
09	*154					131	34	12			109	28	20			*83																							
10	*154					131	18	10			107	26	20			*83																							
11	*154					131	17	10			105	24	16			*87																							
12	154	13	8			133	13	11			107	17	13			85	20	14																				
13	156	8	10			131	11	8			112	12	15			91	12	18																				
14	157	7	11			134	10	9			115	11	19			95	10	26																				
15	160	5	12			135	14	10			116	17	19			97	17	20																				
16	160	8	10			139	14	7			121	12	22			99	14	21																				
17	160	6	10			139	11	12			117	16	18			93	20	12																				
18	160	9	9			138	12	10			119	18	20			95	19	17																				
19	160	10	12			141	13	14			122	13	19			90	23	9																				
20	159	9	11			143	10	12			122	13	14			98	15	15																				
21	160	8	11			143	10	12			123	10	13			99	14	13																				
22	161	7	11			143	10	10			122	13	11			99	14	14																				
23	160	9	9			143	10	11			123	12	15			99	16	12																				

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Spring (Mar Apr May) 1963

	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	158	6	4	11.0	16.5	159	5	4	11.0	16.5	158	6	4	12.5	17.5	160	6	4	12.0	17.0	160	4	4	10.5	15.0	158	6	4	11.5	16.0
.051	138	6	5	10.5	15.5	136	6	8	11.0	17.0	130	10	10	14.0	19.0	134	10	8	13.0	17.0	136	6	9	11.0	15.5	136	6	5	9.5	14.0
.160	119	6	6	8.0	13.5	117	6	16	11.0	17.5	110	11	15	14.0	20.0	109	19	10	12.5	18.5	113	10	8	10.5	15.5	118	5	5	7.5	12.5
.495	100	6	6	7.0	12.5	96	8	16	10.0	16.0	88	12	16	12.0	17.5	90	18	17	12.0	18.0	96	6	11	9.0	14.0	98	6	4	6.5	11.0
** 2.5	70	7	8	6.0	10.0	68	8	14	7.0	8.0	46	12	8	6.0	8.0	42	21	6	4.5	6.5	58	14	16	5.0	11.5	68	8	6	6.0	9.5
** 5	57	8	2	5.0	8.5	56	9	5	5.0	9.0	43	10	8	7.0	10.0	41	14	8	6.0	9.0	59	8	10	6.0	9.0	63	6	8	4.0	7.5
** 10	46	8	9	3.0	5.5	42	11	10	3.0	5.0	40	8	8	5.0	7.5	42	8	8	6.0	9.0	50	10	6	3.5	5.5	46	12	8	4.0	6.5
** 20	27	2	4	1.5	3.0	27	2	4	2.0	3.5	27	4	6	2.5	4.5	31	6	6	4.0	5.5	29	6	4	3.5	5.0	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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** No April data for log and voltage.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Spring (Mar Apr May) 19 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	156	8	4	11.0	18.0	154	6	4	11.5	18.5	152	8	6	12.0	18.0	154	12	6	10.5	16.5	156	10	8	10.5	16.5	156	10	6	11.0	18.0
.051	132	10	6	6.0	10.5	126	10	10	6.5	10.5	120	12	10	6.0	10.5	124	20	10	6.5	11.5	128	16	14	7.0	12.5	132	12	6	5.5	9.5
.160	107	12	8	8.0	15.0	95	15	22	8.0	14.0	87	22	20	8.0	13.0	95	29	24	8.0	13.5	105	19	23	7.5	14.0	111	12	14	8.0	14.5
.495	89	12	10	7.0	14.5	63	19	8	4.0	7.0	59	20	7	4.0	7.0	61	42	7	5.0	10.0	78	25	20	6.0	10.5	93	10	14	6.5	12.5
2.5	65	12	12	4.5	8.5	51	14	19	5.0	9.0	27	8	4	2.0	4.0	27	37	4	3.5	6.5	53	18	22	4.0	8.0	67	12	13	4.5	8.0
5	59	6	6	4.0	7.5	51	8	15	4.0	7.5	31	10	8	3.0	5.5	35	20	10	4.0	6.5	55	11	14	3.5	7.0	59	10	8	4.0	8.0
10	36	10	2	2.5	4.5	40	6	6	2.5	5.0	36	6	6	3.0	5.5	40	8	6	3.0	5.5	50	6	6	3.0	6.0	40	12	6	2.5	5.0
20	26	0	2	1.5	3.0	26	0	2	1.5	3.0	24	4	2	1.5	3.5	26	4	2	2.0	4.0	24	6	0	1.5	3.5	24	2	0	1.0	2.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Spring (Mar Apr May) 1963

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	8	4	11.5	17.5	154	6	4	12.0	18.0	152	8	4	11.5	16.0	154	12	4	10.5	15.0	155	11	5	10.0	15.0	156	10	4	11.0	16.5
.051	131	9	4	8.5	11.5	127	8	11	8.0	12.0	119	13	6	7.5	12.0	125	16	8	7.5	11.5	131	12	15	7.0	12.0	133	10	8	6.5	11.0
.160	107	14	10	9.0	15.5	92	20	18	9.5	14.0	86	26	16	8.0	12.0	94	28	20	8.0	12.0	106	18	24	7.0	12.0	110	14	14	8.0	14.0
.495	89	13	8	8.0	13.5	67	18	6	4.5	7.0	65	14	4	4.0	6.0	67	34	6	6.0	9.5	83	19	18	6.0	10.5	93	10	12	7.0	12.0
2.5	67	10	20	5.0	8.5	54	14	8	4.0	6.5	49	6	8	2.5	4.5	51	10	8	4.0	6.5	55	8	10	4.0	7.0	69	10	18	4.5	8.0
5	61	6	16	5.0	8.5	51	10	10	5.0	7.0	43	6	8	3.0	5.0	47	9	11	4.0	6.0	55	14	14	4.0	6.5	61	12	13	5.0	8.0
10	37	10	6	4.0	6.0	41	8	6	4.5	7.5	37	6	6	4.5	7.0	41	8	8	4.5	7.0	51	6	14	4.0	6.5	41	12	9	4.5	7.0
20	25	4	4	2.5	3.5	25	4	4	2.5	4.0	27	4	4	3.5	5.5	29	6	6	4.0	6.5	27	8	6	3.5	5.0	25	4	4	2.5	3.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Fall (Mar Apr May) 19 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	159	4	2	8.5	14.0	159	2	4	9.0	15.0	155	6	4	11.5	18.0	157	4	4	11.5	18.5	159	4	4	8.0	14.0	159	6	2	8.0	13.0
.051	133	6	4	8.5	14.5	129	8	8	9.0	15.0	119	10	10	12.0	19.5	121	10	10	10.5	18.0	127	8	10	8.5	15.5	133	6	4	8.5	14.5
.160	110	6	6	7.0	13.0	102	10	26	9.5	16.0	82	18	16	11.5	20.5	86	16	15	10.0	17.5	102	11	17	8.0	16.0	110	8	6	6.5	12.5
.545	93	6	8	6.5	12.0	83	10	40	7.5	13.0	45	22	4	9.0	13.0	49	22	8	6.0	9.5	85	12	32	6.5	12.5	93	10	6	6.0	11.5
2.5	63	8	8	6.5	12.0	59	8	20	7.5	13.0	25	14	6	9.0	13.0	21	19	2	6.0	9.5	51	16	24	6.5	12.5	65	8	10	6.0	11.5
5	56	6	6	5.0	9.5	54	6	12	5.5	9.5	26	16	10	8.0	13.0	22	8	8	7.5	12.0	50	10	16	5.5	10.5	58	4	8	5.0	10.0
10	43	6	6	4.5	7.0	39	6	6	4.0	6.0	33	8	8	5.5	8.5	31	10	7	6.0	9.5	43	6	6	4.5	8.0	43	6	6	4.0	7.5
20	22	0	2	2.5	3.5	22	2	1	3.0	3.5	22	2	2	3.0	5.0	22	4	2	3.5	6.0	22	8	2	3.0	5.5	22	0	2	5.5	8.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 37.5-52.5 W Season Fall (Mar *** ***) 19 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	157	7	5	11.0	15.5	157	3	6	9.0	14.5	153	6	6	10.5	16.5	157	4	6	8.0	13.5	161	2	9	6.5	10.5	157	8	6	7.0	11.0
.051	126	9	4	8.0	13.0	120	7	9	9.0	15.0	110	8	8	10.0	17.0	116	2	8	10.0	15.5	116	6	8	6.0	9.5	122	10	8	7.0	11.0
.160	100	10	6	5.0	8.5	74	26	14	5.0	8.0	66	12	6	9.0	14.0	64	8	4	6.5	9.5	68	15	6	4.5	8.0	94	13	10	4.0	7.0
.495	88	7	4	7.0	9.5	74	16	16	4.0	6.0	60	6	4	4.0	7.0	58	6	4	3.0	4.5	61	17	7	2.5	3.5	86	12	8	5.0	8.0
2.5	64	6	4	4.0	7.0	54	12	18	6.0	9.0	38	9	7	8.0	10.0	36	12	10	10.0	11.0	47	11	15	5.5	7.5	64	4	6	3.5	6.0
5	57	6	6	4.0	6.5	58	7	9	5.0	8.5	33	8	6	5.0	8.0	29	10	6	5.5	8.5	45	8	12	3.5	5.5	57	2	4	3.5	6.0
10	37	8	8	3.5	5.5	41	8	6	3.5	5.5	33	4	4	3.5	5.0	29	8	0	2.5	5.5	41	4	8	3.5	5.0	41	10	4	3.5	5.5
20	26	4	2	2.0	3.0	28	2	2	2.0	5.0	27	7	1	2.0	3.0	26	4	2	2.0	3.0	28	2	2	2.0	3.0	28	2	2	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

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*** No April and May data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 22.5-37.5 W Season Fall (*** *** May) 19 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	4	4	11.5	17.0	148	4	3	11.5	17.0	146	4	4	12.0	17.0	146	8	6	9.5	16.0	148	8	4	9.5	15.5	150	6	4	9.5	14.0
.051	120	4	4	9.0	14.0	120	4	6	10.5	16.5	108	6	4	13.5	18.5	104	8	3	13.0	20.5	114	6	7	9.0	14.5	118	8	6	9.0	14.0
.160	83	5	4	7.0	12.0	83	6	11	10.5	16.0	70	8	8	11.0	18.0	72	10	5	10.0	15.5	78	9	8	9.0	16.0	82	6	6	12.0	17.5
.495	67	6	5	7.0	11.5	66	10	6	8.0	13.0	66	4	4	3.5	6.5	66	6	4	5.0	8.0	70	6	7	7.0	12.0	74	4	10	11.5	15.5
2.5	49	5	8	4.5	8.5	50	7	9	6.0	10.0	43	5	12	8.5	12.0	45	8	7	8.5	12.0	50	7	5	3.5	7.0	55	7	4	4.0	7.5
5	47	6	1	3.5	7.0	53	14	23	4.0	8.0	46	19	21	5.0	9.0	31	10	4	4.0	6.5	43	6	2	2.5	5.0	49	4	6	3.0	6.0
10	30	2	5	1.5	4.0	32	8	6	3.0	5.0	28	6	4	2.0	3.0	30	6	5	2.5	5.0	30	14	2	2.0	6.0	30	4	4	1.5	3.0
20	26	2	4	1.0	2.5	26	4	6	1.5	3.0	26	2	4	1.0	3.0	26	4	2	2.0	4.0	26	2	2	1.5	3.0	26	6	2	1.5	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

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*** No March or April data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 52.5-67.5 Season Fall (Mar *** ***) 19 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	156					161					157					165					167					160				
.051	126					119					112					118					132					116				
.160	104					96					84					96					112					100				
.495	98					80					66					82					98					86				
2.5	80			5.0	7.5	68			6.0	9.5	44			6.5	10.5	46			8.5	13.0	70			6.5	8.0	69			6.0	8.5
5	61			4.5	8.0	57			4.0	8.0	39			6.0	10.0	51					64			3.0	6.0	62			4.0	8.5
10	39			4.0	6.5	45			5.0	8.5	35			5.0	9.0	44			8.0	11.5	47			4.0	5.0	43			4.5	7.0
20	26			2.0	2.5	28			4.0	5.0	28			2.5	3.5	28			2.0	3.0	33			3.0	4.0	26			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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*** No April or May data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 37.5-52.5 W Season Fall (Mar *** ***) 19 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	157	4	8	13.0	19.0	158	5	5	14.5	20.5	157	4	13	11.0	17.5	161	2	6	7.5	13.5	161	3	5	7.0	12.0	159	4	10	9.0	15.0
.051	120	12	4	8.0	14.0	119	11	9	9.5	14.5	114	4	14	11.5	16.5	117	5	13	8.5	14.0	118	2	12	6.0	10.5	123	8	12	7.0	12.5
.160	94	10	9	7.0	13.0	83	16	15	10.0	14.5	71	19	9	8.0	10.5	76	6	12	8.5	12.5	74	12	9	6.5	9.0	94	12	12	6.5	11.5
.495	84	8	4	7.5	14.0	76	11	24	2.5	4.5	53	15	3	2.5	4.0	54	12	4	2.0	4.0	58	22	6	4.0	7.0	86	12	11	5.5	11.0
2.5	62	10	8	7.0	10.5	51	18	17	7.0	11.5	34	10	7	4.0	7.0	26	6	3	3.5	5.5	40	20	12	5.0	8.0	66	8	13	5.5	8.5
5	53	4	4	5.5	8.0	54	9	11	6.0	9.5	33	4	8	7.0	10.0	31	4	4	8.0	12.0	49	8	14	5.5	8.0	55	3	9	6.5	9.5
10	39	2	2	3.5	5.5	37	7	2	4.0	6.0	33	5	6	6.0	9.0	33	4	6	6.5	9.0	39	6	6	4.5	7.0	39	7	2	3.0	5.5
20	28	8	2	4.0	5.5	28	7	2	3.5	5.0	28	8	2	3.5	5.5	26	4	0	3.0	4.0	26	4	0	2.0	3.0	28	4	2	1.0	2.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*** No April or May data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 22.5-37.5 W Season Fall (*** Apr May) 1963

	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	148	6	6	10.0	16.0	148	6	8	11.5	17.5	146	4	10	10.5	15.5	144	6	4	8.0	13.0	148	4	10	7.5	12.0	148	4	6	8.5	13.5
.051	118	6	8	8.0	13.0	118	6	10	10.5	16.0	104	10	6	12.0	18.0	100	12	8	9.5	13.5	110	8	8	6.5	10.0	116	8	8	7.5	12.0
.160	90	10	12	7.0	11.5	84	12	12	9.0	14.0	70	16	6	10.5	14.5	72	14	10	8.0	12.5	76	16	8	7.0	11.0	86	14	10	7.0	11.0
.495	74	12	14	6.0	10.5	68	14	14	6.0	10.0	60	8	13	3.0	6.0	62	8	14	3.5	6.0	70	9	12	4.0	7.5	74	12	8	5.0	9.0
2.5	53	9	8	4.0	7.0	40	10	9	5.5	9.0	35	9	8	6.0	9.0	36	8	9	5.5	8.5	51	9	10	3.5	6.0	57	8	10	4.0	6.5
5	49	8	4	4.0	7.0	57	6	10	4.5	8.0	41	18	14	6.0	9.5	33	10	8	4.0	6.5	49	6	6	4.0	6.5	49	8	4	3.5	6.0
10	32	6	4	2.0	4.0	36	10	6	3.0	5.0	32	6	4	3.5	6.0	34	8	6	3.0	6.0	36	8	6	2.5	4.5	32	10	4	2.0	4.0
20	29	2	2	2.0	3.0	29	6	2	2.0	3.0	27	4	2	2.5	4.0	29	4	2	2.0	3.5	27	4	2	2.0	3.5	29	2	2	2.0	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

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*** No March data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 52.5-67.5 W Season Fall (Mar *** ***) 19 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	161					161					162					167					167					166				
.051	136					134					134					132					133					137				
.160	119					116					114					102					107					114				
.495	104					104					98					86					99					103				
2.5	76			5.0	8.0	73			7.0	11.0	70			10.5	14.5	44			6.0	11.0	66			3.5	6.0	78			4.5	7.0
5	65			5.0	8.0	62			7.0	10.5	57			6.0	9.0	47			4.0	7.0	60			5.0	7.5	60			4.5	6.5
10	39			4.0	6.0	43			4.5	7.0	45			3.0	6.0	46			3.5	5.0	41			4.5	6.5	38			3.5	5.5
20	28			3.5	5.0	32			3.0	5.0	40			3.5	5.5	38			2.5	4.0	28			2.5	4.0	27			3.5	5.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

RN-14

*** No April or May data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 37.5-52.5 W Season Fall (Mar Apr May) 19 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	153	5	2	12.0	18.0	155	7	4	11.0	17.0	153	8	4	8.5	14.0	153	8	17	8.0	12.5	155	4	2	8.0	13.5	155	3	5	9.5	14.0
.051	130	8	8	8.0	13.5	129	6	6	9.0	15.5	118	14	7	8.5	13.5	120	13	6	6.5	12.0	126	12	6	7.0	12.5	132	3	8	8.5	13.5
.160	110	10	13	7.5	13.0	104	12	10	10.5	18.0	93	20	18	8.0	13.0	85	31	5	7.5	13.0	109	11	21	8.0	13.5	114	5	15	6.0	11.0
.495	97	6	7	6.5	12.0	89	11	26	7.0	12.5	68	22	10	6.0	11.0	61	40	5	4.5	9.0	94	17	23	10.0	18.0	101	5	9	6.0	11.0
2.5	72	10	16			72	8	12			44	20	8			34	20	9			67	14	18			74	7	11		
5	59	11	11			60	7	15			41	17	9			40	17	15			61	6	12			61	5	6		
10	41	15	5			44	15	7			41	8	10			35	19	4			41	11	3			43	9	6		
20	30	2	0			32	2	2			32	2	2			32	2	2			32	5	3			30	13	1		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 30-40 S Long. 52.5-67.5 W Season Fall (*** Apr ***) 1963

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155			9.0	14.5	151			11.0	17.0	154			7.0	14.0	148					154			9.5	15.0	157			11.0	16.5
.051	118			7.0	12.5	117			6.5	11.5	104					99					109			9.5	15.5	118			3.0	10.0
.160	120			5.0	9.0	113			4.5	8.5	100			6.0	10.0	93			9.0	13.0	98					117			8.0	13.5
.495	109			4.0	8.0	97			4.0	8.5	79			4.5	8.0	70					89					107			7.0	13.0
2.5	77					76					50					39					55					74				
5	64					63					47					42					56					59				
10	39					40					46					41					45					43				
20	30					36					34					34					36					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

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*** No March or May data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 30-40 S Long. 37.5-52.5 W Season Fall (*** Apr ***) 1963

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	157			8.5	14.5	153			11.0	14.5	137			12.0	18.0											157			8.0	13.5
.051	117			9.0	15.0	110			8.0	13.0	108			13.0	20.0											115			6.5	12.5
.160	116			6.5	11.5	100			6.5	11.0	81			7.0	11.0											114			6.0	11.5
.495	100			5.5	10.5	88			6.5	12.5	67			1.0	2.5											102				
2.5	64					70					40															68				
5	60					54					39															59				
10	46					45					41															41				
20	39					39					34																			

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

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*** No March or May data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Spring (Mar Apr May) 19 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	4	2	9.0	15.0	148	4	4	11.0	17.5	146	8	4	10.5	16.0	150	12	6	8.5	13.5	150	10	4	7.5	12.0	150	6	2	7.5	12.0
.051	117	8	2	8.5	14.0	107	10	11	11.0	17.0	99	26	8	10.5	16.0	117	16	24	10.0	15.5	115	16	14	10.5	16.0	119	10	4	7.5	13.0
.160	98	8	6	6.0	11.0	84	15	8	4.0	8.0	88	8	10	6.5	10.0	88	18	6	6.0	11.0	92	14	8	6.0	11.0	98	10	8	5.5	10.0
.495	74	15	13	4.0	7.5	56	12	6	2.5	4.5	54	6	4	2.5	4.5	54	22	4	4.0	7.5	68	14	14	3.0	5.5	78	12	8	3.5	6.5
2.5	58	10	4	5.5	9.5	50	13	12	6.0	9.5	36	9	4	4.0	8.0	38	6	6	3.5	6.5	52	10	10	5.5	10.0	62	7	6	5.0	9.0
5	53	6	5	4.0	7.0	52	7	8	5.0	8.0	34	8	5	4.0	7.0	38	12	8	5.5	9.5	54	5	9	5.0	8.5	56	7	4	3.0	6.0
10	36	9	5	2.5	5.0	39	8	6	3.0	5.0	43	10	6	6.5	11.5	47	6	6	7.0	10.0	49	12	6	5.5	9.5	43	12	8	3.5	6.0
20	19	2	2	1.0	2.5	19	2	2	1.0	3.0	19	3	2	1.5	3.0	19	4	2	2.0	3.5	19	4	2	1.5	3.5	19	2	2	1.0	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Spring (Mar Apr May) 19 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}
.135	108	9	9			99	13	10			92	11	7			94	11	8			96	16	8			111	9	2		
.500	90	10	8			70	19	13			59	8	4			60	11	7			68	18	9			89	11	10		
2.5	73	6	12			59	14	15			34	8	4			34	11	4			52	18	14			73	7	9		
5	61	9	7			54	8	9			36	8	6			35	9	5			55	10	14			65	7	8		
10	36	4	3			37	3	3			37	4	3			39	2	5			43	6	5			25	4	1		
20	25	0	1			25	1	1			27	2	2			26	5	3			27	6	4			25	4	1		

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

D_u = ratio of upper decile to median in db

D_ℓ = 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 Summer (June July Aug.) 19 61

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	135	7	6	7.0	13.0	129	10	10	12.0	18.5	125	16	10	12.5	19.0	131	12	6	10.0	15.0	137	6	10	8.0	13.0	137	6	4	7.0	12.0
.113	123	6	8	6.0	12.0	114	15	19	10.5	18.5	107	20	16	13.5	22.5	113	16	10	11.5	17.5	121	10	11	7.5	12.5	125	6	6	6.0	11.0
*** .246	111	6	10	6.0	12.5	97	12	24	12.0	20.5	87	22	16	14.5	22.5	99	17	20	12.0	19.0	109	10	14	8.0	13.0	113	6	8	5.0	10.0
*** .545	92	7	14	6.5	12.0	78	16	25	11.0	18.5	64	29	12	16.5	25.5	78	22	20	11.5	21.5	90	13	16	8.0	13.5	94	6	8	5.0	9.0
*** 2.5	70	4	8	5.5	8.5	60	10	21	9.0	14.5	43	17	11	11.0	16.0	44	28	12	10.5	15.5	68	8	16	5.5	9.0	72	6	6	4.0	7.0
*** 5	58	6	8	4.5	7.5	52	8	8	8.0	12.0	40	10	12	11.0	16.0	42	18	12	9.0	13.0	62	4	10	5.0	8.0	64	4	4	4.0	7.0
*** 10	40	4	8	4.5	6.5	38	6	5	6.0	9.0	34	6	8	8.5	11.5	40	6	8	6.5	10.0	48	4	4	4.0	6.5	44	4	6	4.0	6.0
*** 20	26	4	2	2.0	3.0	28	10	2	4.0	5.5	30	6	6	6.0	8.0	32	10	6	5.0	7.0	34	6	6	4.0	6.0	28	6	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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** No July or August data

*** No August data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Fall (Sept. Oct. Nov.) 19 61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
** .051	134	6	6			128	6	14			122	8	12			132	8	12			136	6	8			136	6	10		
** .113	121	8	8			113	10	18			107	12	16			119	10	18			123	10	12			123	8	10		
** .246	105	8	10			95	12	24			79	24	12			101	12	20			107	10	16			107	8	10		
** .545	88	10	6			78	12	16			74	14	18			84	18	20			90	10	8			92	6	8		
2.5	66	4	8			55	13	17			40	8	6			46	16	10			64	10	14			68	6	8		
5	59	2	8			53	10	8			37	10	8			43	10	10			63	5	10			61	8	7		
10	43	4	6			37	6	4			31	6	6			39	8	10			45	6	8			45	8	6		
20	26	4	4			28	8	4			30	6	4			32	6	6			30	6	4			28	12	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

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** No October data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Winter (*** Jan. Feb.) 1961-62

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	137	10	10			135	12	14			131	16	18			129	18	14			135	12	16			137	8	12		
.113	120	8	10			114	12	18			108	16	22			106	20	18			114	14	18			118	10	12		
.246	104	10	10			96	14	18			88	16	20			84	22	18			98	16	20			102	10	10		
.545	88	9	12			76	20	18			68	24	15			68	18	14			84	13	20			84	10	10		
2.5	66	8	12			60	12	18			40	12	12			38	12	8			56	16	18			65	7	14		
5	58	6	8			54	9	13			40	8	12			36	14	8			58	8	16			60	8	14		
10	40	8	12			40	8	10			32	10	8			34	8	8			44	6	12			44	6	12		
20	26	2	2			28	8	4			28	8	4			28	6	4			26	6	2			26	4	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*** No December data

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Spring (Mar. *** ***) 1962

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	138	4	6			134	9	9			130	8	12			136	11	11			144	7	4			140	6	4		
.113	126	6	8			122	11	14			118	12	18			124	12	11			134	9	6			130	6	5		
.246	112	6	10			104	18	13			96	24	22			104	16	18			120	9	9			116	8	6		
.545	95	6	8			85	23	16			71	32	16			83	22	30			103	14	10			99	9	6		
2.5	72	4	8			68	10	20			40	31	4			56	24	18			76	14	11			74	4	8		
5	64	4	6			60	11	10			42	16	10			48	16	10			68	12	6			64	6	6		
10	46	2	6			43	6	8			36	8	9			38	13	10			52	10	7			46	4	1		
20	26	4	2			30	15	4			30	7	6			30	8	4			32	17	4			28	6	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

RN-14

*** No April or May data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0 N Long. 159.7 W Season Spring (March April May) 1963

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155	6	2	9.0	15.0	155	6	4	10.0	16.0	151	6	2	11.0	17.5	151	4	4	12.0	19.0	155	6	4	12.5	19.5	153	6	4	9.5	15.0
.051	132	8	6	10.0	16.0	130	8	12	10.5	17.0	112	18	10	12.0	18.5	112	18	8	13.0	20.0	112	18	12	11.0	17.0	124	16	6	10.5	17.0
.160	109	14	10	8.5	15.0	103	16	28	10.0	17.0	81	30	18	12.0	20.0	79	32	16	10.0	17.0	85	28	22	9.0	14.5	103	18	10	9.0	15.5
.495	88	14	10	10.0	18.0	80	20	26	9.0	15.5	56	36	6	7.0	13.0	56	36	8	6.0	11.5	64	26	14	6.0	11.0	84	18	12	8.5	16.0
2.5	60	14	6	7.5	12.5	58	14	14	7.5	12.0	32	26	4	5.0	8.0	30	26	4	4.0	7.0	42	20	14	4.5	7.5	58	16	6	8.0	13.0
5	53	10	4	7.0	11.5	51	6	10	6.0	9.5	27	22	8	6.0	10.0	23	22	4	5.0	8.0	41	16	8	5.5	9.5	51	10	4	6.5	11.0
10	38	4	4	4.0	7.0	34	6	2	3.5	5.5	26	14	8	6.5	9.0	20	20	6	6.5	10.5	36	10	8	6.0	9.5	38	8	4	5.0	8.0
20	24	0	2	1.5	3.0	24	0	2	2.0	3.5	22	2	2	2.5	4.5	22	4	2	3.0	5.0	24	4	2	3.0	5.0	24	2	2	1.5	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Spring (Mar Apr May) 19 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	157	4	4	8.5	11.0	155	4	4	8.5	11.0	153	4	4	8.5	10.5	157	4	6	7.5	10.5	159	4	6	7.0	9.5	157	4	2	7.5	10.0
.051	138	4	4	9.0	12.0	136	8	8	8.5	11.0	133	9	9	9.0	11.5	126	6	10	8.0	10.5	130	8	10	7.0	11.0	136	6	4	8.0	11.0
.160	116	8	6	8.0	11.5	108	12	16	9.0	13.0	100	14	8	9.0	12.5	110	14	10	8.0	12.0	116	12	10	7.5	11.5	119	5	7	7.0	9.5
.495	97	8	10	8.0	11.0	83	16	16	8.0	10.5	71	21	6	5.5	7.0	85	20	18	8.5	11.5	97	10	18	7.5	11.5	101	6	10	7.0	10.5
2.5	71	8	8	6.5	9.5	65	10	14	6.5	10.5	49	14	6	3.5	5.5	45	8	4	4.0	6.5	61	10	16	5.0	8.0	69	7	8	5.5	8.5
5	61	7	6	5.5	7.5	55	8	12	6.5	9.5	39	10	6	5.0	7.5	45	12	10	4.5	7.5	63	6	10	5.0	7.5	63	8	6	4.5	7.0
10	42	6	8	5.5	7.5	40	6	6	5.0	7.0	38	4	8	6.5	9.0	44	8	8	4.5	7.0	52	4	6	5.0	7.0	46	6	6	5.0	7.0
20	26	2	2	2.5	3.5	26	2	2	2.5	4.0	26	4	2	3.5	4.5	32	6	6	3.5	5.0	34	6	8	4.0	6.0	26	4	2	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. _____ Long. _____ Season Spring (Mar Apr May) 1963

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	6	4	10.0	13.0	151	6	4	9.0	13.5	151	4	4	10.5	14.5	151	4	4	9.5	14.0	153	6	4	7.0	11.0	153	6	4	7.5	12.0
.051	129	4	2	9.0	14.5	122	9	13	9.5	13.5	113	12	8	11.5	15.0	115	8	6	8.0	12.0	117	8	8	7.0	10.5	127	6	4	8.0	13.0
.160	108	4	4	7.0	12.5	92	14	14	7.5	12.5	80	14	10	9.0	14.0	80	12	6	5.0	7.5	90	14	12	6.5	10.5	106	6	4	7.0	12.0
.495	84	6	4	7.0	11.5	62	20	6	6.5	10.0	58	10	2	4.5	6.0	60	8	4	5.0	6.5	73	11	15	6.0	12.0	84	6	4	6.5	11.5
2.5	59	8	4	4.5	8.0	51	10	10	5.5	9.0	39	2	2	7.5	11.0	39	2	2	8.0	11.0	45	10	6	6.0	9.5	59	6	4	4.5	8.0
5	57	18	4	4.5	8.0	57	16	17	7.0	11.0	37	6	6	8.0	11.0	33	8	4	6.5	9.0	63	12	18	7.0	12.0	65	14	12	5.0	9.0
10	38	7	4	3.5	5.5	36	6	6	3.5	6.0	37	6	4	3.0	5.0	30	7	4	3.5	6.0	42	6	4	4.0	7.0	42	4	6	3.5	6.0
20	23	2	0	1.0	3.0	23	4	0	1.5	3.0	23	4	0	2.0	4.0	25	2	2	2.5	4.5	27	4	4	2.5	4.5	23	4	2	1.5	3.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Fall (Mar Apr May) 19 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	155	6	4			153	6	4			153	6	6			157	8	6			159	7	6			157	6	5		
.051	133	10	10			127	10	12			121	12	14			127	16	12			129	16	12			133	12	8		
.160	107	14	10			95	16	24			79	28	12			89	32	20			103	20	30			109	14	10		
.495	96	10	10			80	16	22			63	14	5			62	38	4			88	18	26			106	12	8		
2.5	70	8	11			64	12	16			50	6	6			48	28	4			64	18	18			74	8	14		
5	59	6	6			55	9	8			45	6	10			41	20	6			59	12	12			61	6	8		
10	36	9	6			34	10	4			32	10	4			36	12	8			46	6	11			40	8	8		
20	23	2	4			21	4	2			25	2	6			27	5	8			27	6	6			23	4	4		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Spring (Mar Apr May) 19 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	166	4	4	10.0	15.5	166	4	4	11.0	18.0	164	4	6	14.0	21.5	166	8	4	10.5	18.5	168	4	4	9.0	18.0	166	4	4	9.5	14.5
.051	145	4	4	9.0	15.5	141	6	8	11.5	19.0	133	6	7	13.5	22.0	139	12	7	11.5	20.0	143	6	6	10.5	17.5	143	6	4	9.5	15.0
.160	124	4	5	8.5	14.0	119	7	19	12.0	21.5	106	4	12	14.0	24.0	119	18	14	12.5	22.0	122	8	12	9.5	17.0	124	6	4	7.5	13.0
.495	99	6	6	8.0	14.0	91	10	19	11.0	20.5	83	13	18	12.5	21.5	95	18	14	12.0	22.0	99	8	12	8.5	15.5	99	6	4	7.5	13.0
2.5	70	4	6	6.5	11.0	64	8	14	8.0	13.5	34	14	6	8.5	13.5	42	32	12	9.5	15.0	64	8	16	7.0	11.0	66	6	4	5.5	10.0
5	63	4	6	5.5	9.0	57	6	8	6.5	11.0	37	10	10	9.0	14.5	43	18	14	9.0	14.5	59	6	10	6.0	10.0	61	4	4	5.0	8.0
10	44	8	8	5.0	8.5	40	8	6	5.5	8.5	38	6	8	9.0	14.5	42	10	8	7.0	13.0	50	2	4	5.0	8.5	50	4	4	4.5	7.5
20	26	2	2	2.5	4.0	26	2	2	2.5	4.5	26	4	2	4.0	6.5	30	12	6	5.0	7.5	34	4	4	4.5	7.0	30	4	4	4.0	6.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Season Spring (Mar Apr May) 1963

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	10	8			154	10	6			151	11	5			154	10	6			154	10	6			156	8	8		
.051	135	14	8			131	14	10			129	16	12			129	14	12			131	16	14			135	12	10		
.160	113	18	10			107	21	16			105	25	16			109	0	20			115	16	20			115	15	14		
.495	97	12	12			87	22	16			87	28	16			85	23	14			97	18	15			97	12	12		

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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