



Technical Note

No. 18-18

QUARTERLY RADIO NOISE DATA MARCH, APRIL, MAY, 1963

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



U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

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NATIONAL BUREAU OF STANDARDS

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QUARTERLY RADIO NOISE DATA

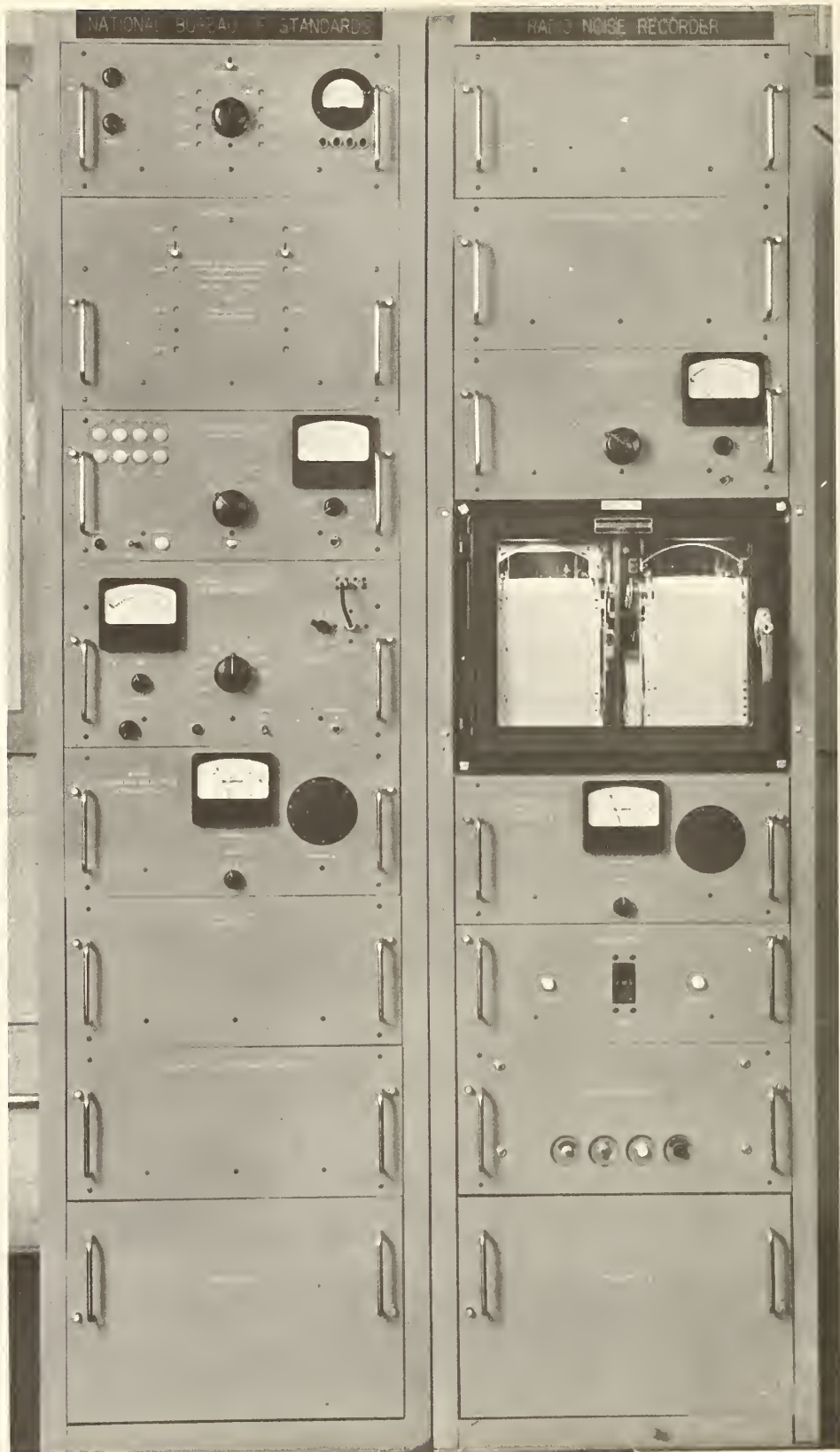
MARCH, APRIL, MAY, 1963__

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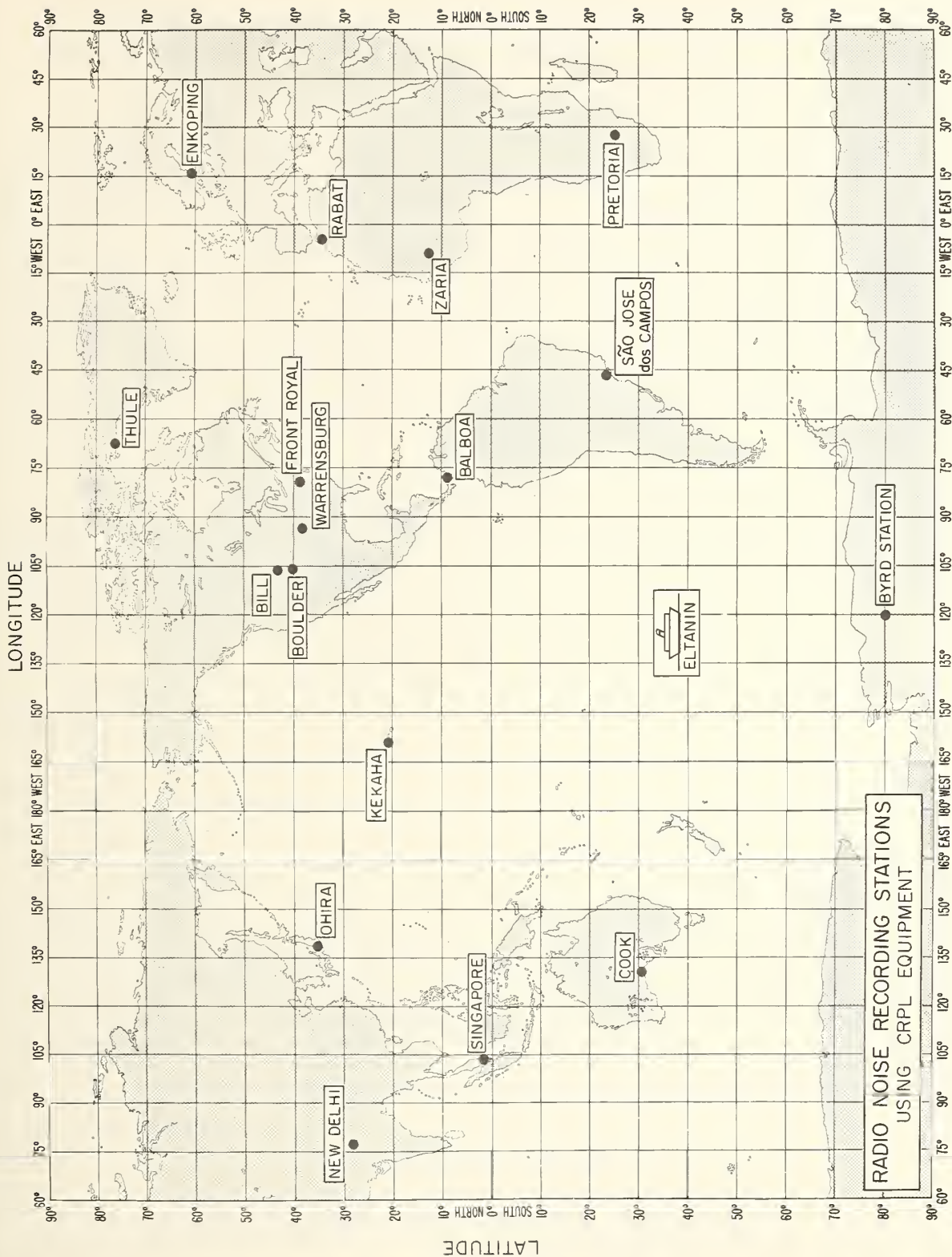
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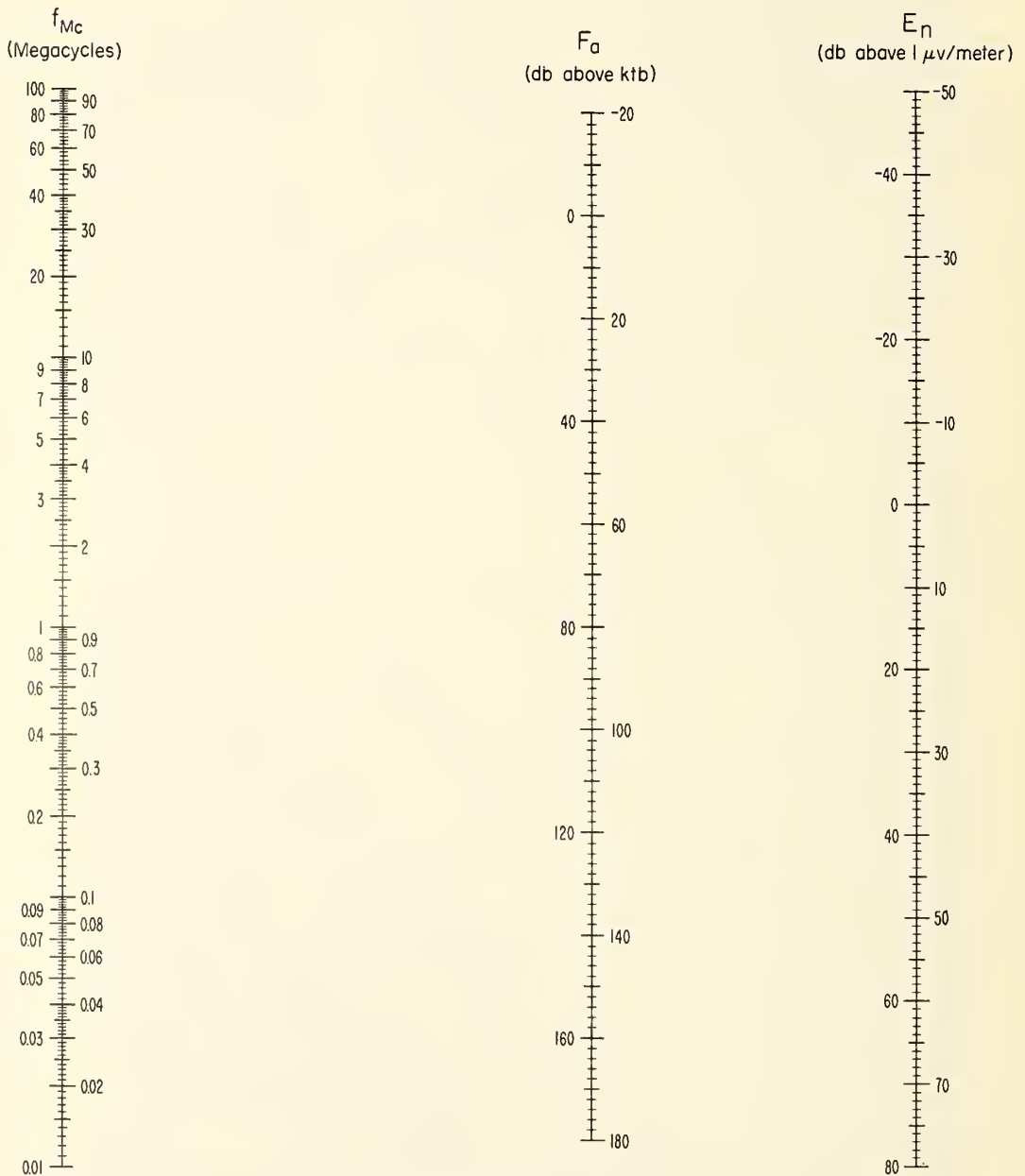
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder



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



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

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

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

f_{Mc} = Frequency in Megacycles.

Quarterly Radio Noise Data
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

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

where

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

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

T_o = reference temperature, taken as 288°K

b = effective receiver noise bandwidth (c/s)

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

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

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

where:

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

b = effective receiver noise bandwidth in c/s

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

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

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

Measurements of the three parameters reported were made with the National Bureau of Standards' Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 c/s and uses a standard 6.6294 meter (21.75') vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour during which they were recorded. The month-hour medians, F_{am} , V_{dm} and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

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

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

The values presented in the tables reflect the actual measured values of radio noise. The only editing for man-made noise or station contamination of the records has been done by the station operators, and no additional attempt has been made to identify these values by systematic statistical means. These preliminary data values are presented in order to expedite dissemination of the data, and additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications. The parameter that will first reflect any such contamination will be the logarithmic parameter, L_d . This contamination generally will cause the value of L_d to be less than it would have been had the recorded value been only atmospheric noise. In determining the amplitude-probability distribution from the three measured moments [Crichlow et al., 1960b] contaminated values of L_d may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of L_d be ignored and the most probable value of L_d from the curve on the graph of L_d vs. V_d be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of L_d that will give an amplitude-probability distribution with a form factor described in the above reference and can, therefore, be used to determine whether the measured value or the most probable value of L_d for any value of V_d should be used.

Station clocks are set to local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5). The data from the Floating Antarctic Research Vessel, USNS Eltanin, are grouped so that a block 10° in latitude by 15° in longitude is treated as a separate station. The station clock in this case is

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

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

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

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

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enköping

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

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

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Cherifien (Morocco) - Rabat

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

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

The following publications contain additional information on radio noise:

- Clarke, C., "Atmospheric Radio-Noise Studies Based on Amplitude-Probability Measurements at Slough, England, during the International Geophysical Year," Proc. Inst. Elec. 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, Switzerland).
- Fulton, F. F. (Jr.) (May-June, 1961), "Effect of Receiver Bandwidth on the Amplitude Distribution of VLF Atmospheric Noise," J. Res. NBS 65D (Radio Propagation) No. 3, 299-304.
- Horner, F., "An Investigation of Atmospheric Radio Noise at Very Low Frequencies," Proc. Inst. Elec. 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).

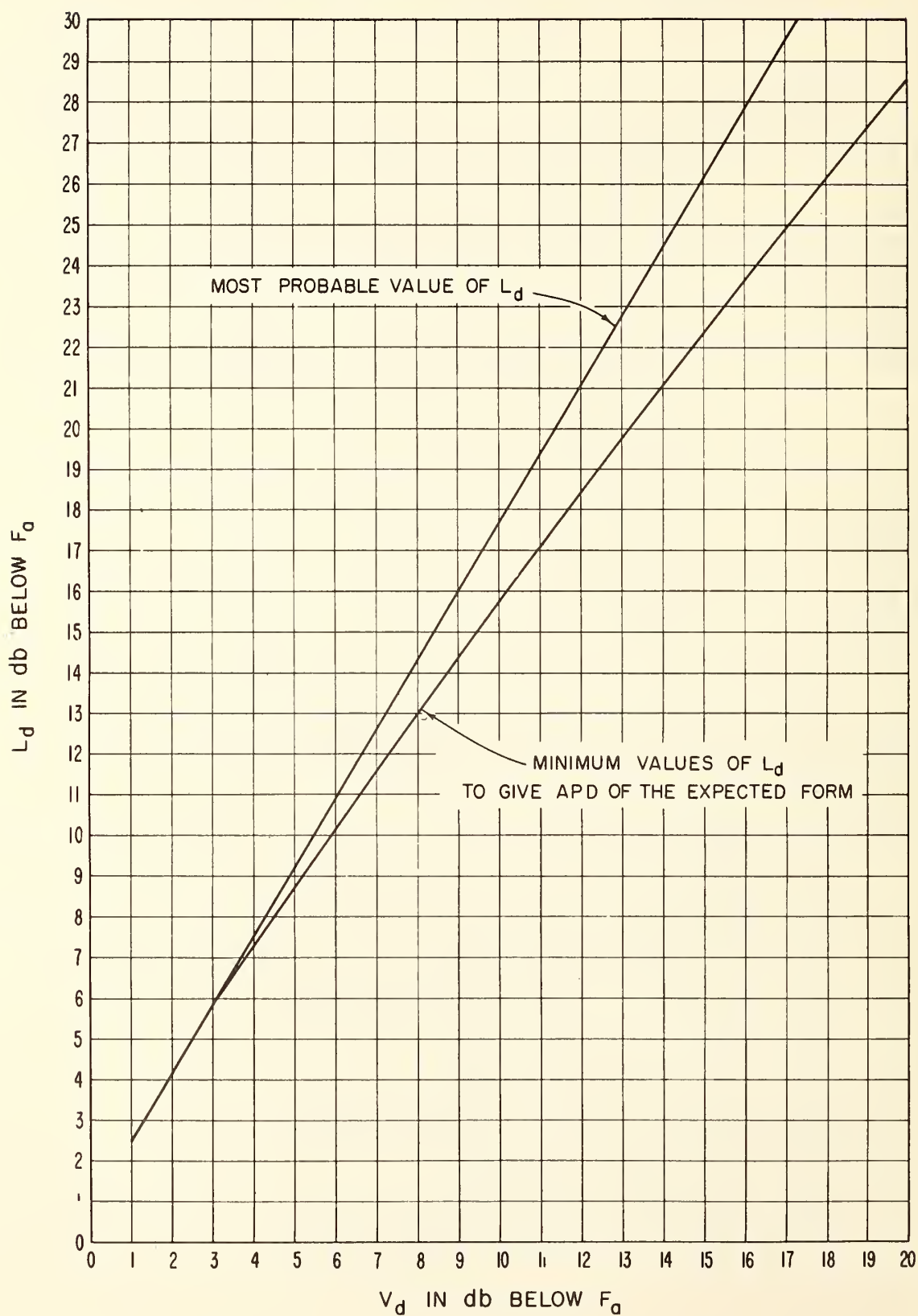
Data included in this report and the standard time for each station are as follows:

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 1963

Frequency (Mc)																																															
.013						.051						160						495						2.5						5						10						20					
F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u	D _l	V _{dm}	L _{dm}								
00	157	3	4	130	170	136	5	4	110	150	117	6	6	85	140	98	6	4	70	115	66	7	8	55	90	55	41	7	6	30	50	27	4	4	10	30											
01	157	5	4	115	165	138	4	6	110	155	117	6	5	90	140	100	6	7	75	120	68	6	10	55	100	55	43	8	4	20	45	27	2	4	20	30											
02	159	4	4	115	165	138	6	3	110	160	119	6	7	85	140	100	6	8	75	130	72	4	10	60	110	57	4	2	30	60	27	2	4	10	25												
03	159	4	4	110	160	138	6	5	110	160	119	5	8	95	150	98	8	4	80	140	70	7	7	60	120	55	4	2	45	80	37	6	4	20	40	27	2	4	10	30							
04	159	5	4	115	160	138	6	6	105	160	117	6	6	95	160	98	6	3	95	155	72	5	10	50	100	55	4	3	45	80	35	7	4	15	40	27	2	4	15	25							
05	159	5	2	110	160	139	4	5	105	165	119	2	10	100	160	98	5	8	95	160	70	4	7	50	95	55	3	4	45	90	33	10	0	15	25	27	4	4	25	45							
06	160	5	3	115	165	135	7	7	110	165	113	7	12	120	185	96	6	15	105	165	68	6	10	65	130	59	8	4	45	100	47	7	5	20	50	27	3	3	25	50							
07	158	6	4	110	155	134	5	7	125	180	115	6	16	115	185	98	6	13	90	150	58	8	5	80	130	55	3	4	55	110	43	4	4	40	70	28	1	4	15	25							
08	157	6	2	120	170	134	7	9	125	180	113	7	14	120	190	92	10	9	95	150	58	6	6	55	95	50	5	7	45	80	41	7	5	40	70	29	2	4	20	40							
09	159	4	4	125	170	131	7	11	140	185	108	9	11	135	90	88	10	12	120	175	46	8	4	40	75	43	6	6	55	85	41	6	6	25	65	29	2	6	20	35							
10	159	4	8	125	170	129	7	11	165	195	108	7	12	140	200	88	9	16	120	170	44	10	5	30	45	39	8	6	60	90	38	5	5	50	70	29	7	5	35	75							
11	157	6	4	125	175	127	10	5	140	190	105	10	10	150	200	81	14	11	135	170	42	7	8	20	35	37	7	4	40	50	37	5	6	40	70	29	5	5	30	45							
12	159	4	4	120	160	129	7	5	125	180	103	12	10	140	180	82	10	8	105	170	40	6	6	20	35	35	9	2	25	40	37	4	5	40	70	29	4	4	25	55							
13	159	5	2	110	150	130	8	4	120	175	105	10	8	115	160	86	8	10	105	160	40	8	6	30	55	37	7	4	45	60	39	4	6	50	80	29	4	2	40	65							
14	161	4	4	115	165	133	5	7	120	160	107	8	6	115	155	88	11	10	100	150	40	10	6	20	45	39	6	4	50	75	41	5	4	45	75	31	3	7	40	60							
15	161	4	3	110	150	136	5	8	115	160	107	9	6	110	160	90	10	11	105	165	44	9	6	40	75	43	6	4	50	85	43	7	4	45	70	33	6	3	40	55							
16	161	4	5	90	140	136	4	7	110	160	109	10	7	110	165	90	10	10	110	160	46	9	10	50	70	49	5	5	45	70	51	10	9	25	50	33	8	4	45	65							
17	161	2	5	110	150	134	5	6	110	160	109	7	6	120	170	90	9	7	110	160	52	3	8	60	95	56	5	4	55	85	49	10	6	30	40	33	18	5	40	60							
18	159	3	5	120	160	134	5	5	110	160	111	6	5	90	140	98	3	6	70	105	58	6	4	70	100	61	5	5	60	90	48	9	4	35	60	29	6	4	25	40							
19	159	2	6	120	160	137	3	7	105	150	117	4	6	70	120	98	5	4	70	110	66	6	4	65	100	63	6	7	75	100	47	8	8	35	60	27	4	4	25	35							
20	157	5	4	125	170	136	4	4	105	155	115	6	4	90	140	98	4	4	80	120	66	7	4	60	95	67	3	10	40	65	43	10	5	50	75	27	2	4	20	30							
21	157	4	3	125	170	136	4	5	120	160	117	4	6	90	145	100	2	6	80	120	64	8	5	60	100	63	9	8	40	75	41	12	7	35	60	27	1	4	20	30							
22	156	5	4	125	170	136	4	4	120	160	117	4	4	100	150	98	4	4	75	125	66	8	6	50	80	59	3	8	45	80	39	11	4	40	70	25	4	2	10	25							
23	157	4	4	120	165	136	6	2	110	160	117	4	4	80	140	98	5	6	80	130	66	8	8	45	90	55	10	2	40	80	39	9	5	30	60	25	4	2	20	35							

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month April 19 63

Hour (LST)	Frequency (Mc)																																								
	.013					.051					.160					.495					2.5					5					10					20					
	Fom	Du	D _g	Vdm	Ldm	Fom	Du	D _g	Vdm	Ldm	Fom	Du	D _g	Vdm	Ldm	Fom	Du	D _g	Vdm	Ldm	Fom	Du	D _g	Vdm	Ldm	Fom	Du	D _g	Vdm	Ldm	Fom	Du	D _g	Vdm	Ldm	Fom	Du	D _g	Vdm	Ldm	
00	158	4	6	12.0	17.5	138	2	4	10.0	15.5	118	6	2	7.0	14.0	100	2	4	5.5	10.5	72					58						48					27				
01	158	6	4	12.0	17.5	138	4	6	10.0	16.0	120	4	6	8.0	14.0	100	4	6	7.0	12.5	70					58						50					27				
02	160	2	6	12.0	18.0	138	4	4	11.5	17.0	120	6	6	7.5	13.5	98	6	4	7.5	14.0	73					56						42					27				
03	158	4	2	11.0	18.0	138	6	4	12.0	17.5	120	4	6	7.0	13.0	98	4	2	6.5	13.0	74					61						45					28				
04	160	2	4	11.0	17.5	138	6	4	10.5	16.5	118	6	4	6.5	16.0	98	6	4	7.5	13.5	74					57						39					28				
05	160	6	4	11.0	17.0	138	6	6	12.0	18.5	118	6	10	10.0	16.0	91	11	9	8.5	16.0	74					58						43					27				
06	158	6	2	11.0	17.0	134	8	8	11.0	17.0	113	9	19	13.5	20.0	92	8	16	10.0	15.5	61					58						48					29				
07	158	6	5	12.0	18.0	134	9	8	13.0	19.0	116	8	16	10.5	18.0	89	11	9	10.0	9.0	56					54						45					29				
08	158	6	4	12.0	18.0	134	5	11	12.0	18.0	116	4	18	13.5	20.0	88	10	14	13.0	18.0	50					46						41					28				
09	158	7	4	13.0	19.0	134	9	9	14.0	19.5	112	10	16	13.5	21.5	88	12	13	8.0	11.0	45					43						42					28				
10	160	6	7	12.0	17.0	133	10	8	11.5	17.5	112	11	10	14.0	20.5	86	12	9	12.0	17.5	46					41						40					27				
11	158	4	2	12.0	16.0	132	11	6	13.0	19.0	112	10	10	13.0	20.0	90	8	14	12.5	12.0	44					40						41					30				
12	160	6	6	12.5	17.5	134	8	8	14.0	19.0	112	16	20	12.0	20.0	91	14	19	14.5	23.5	44					38						43					31				
13	160	6	3	12.0	17.0	136	8	5	12.0	17.0	116	12	14	11.5	17.0	88	21	14	12.0	19.0	42					40						42					33				
14	162	4	3	12.0	17.0	136	10	6	12.0	17.0	116	15	14	12.5	18.5	90	20	13	12.5	19.0	42					42						43					34				
15	162	4	4	11.0	15.5	136	6	4	11.0	16.0	114	17	9	12.5	18.5	88	27	10	10.0	15.0	44					44						46					35				
16	162	4	5	10.0	15.0	138	5	8	11.5	16.0	112	12	5	12.0	18.0	90	11	7	11.0	15.0	42					48						48					33				
17	160	3	7	10.0	15.0	139	3	9	12.0	17.0	112	8	5	12.5	18.0	94	9	9	10.0	16.0	52					54						51					33				
18	160	3	5	11.0	17.0	137	4	7	10.5	16.5	118	3	7	10.0	15.0	98	6	10	7.5	13.0	58					58						53					29				
19	158	4	3	10.5	16.0	139	4	8	10.0	15.0	120	4	7	8.5	14.5	98	6	7	7.5	12.0	63					60						55					28				
20	158	6	5	10.5	16.0	138	5	4	9.0	14.0	118	7	4	6.0	12.0	98	4	6	6.0	10.0	70					68						51					28				
21	158	5	6	10.5	16.0	138	5	5	9.0	14.0	120	4	5	7.0	13.0	98	6	8	5.5	10.0	69					65						43					25				
22	160	4	7	11.0	17.0	138	4	5	9.0	14.5	119	5	5	8.0	13.5	98	6	6	6.0	11.0	71					56						41					27				
23	160	3	7	11.5	17.5	138	5	6	8.5	14.0	120	4	4	7.0	13.5	100	4	4	6.0	11.0	70					54						47					27				

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

Du = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

1963

Fur (ST)	Frequency (Mc)																																							
	.013				.051				.160				.495				2.5				5				10				20											
	Fom		Df	Vdm	Ldm	Fom		Df	Vdm	Ldm	Fom		Df	Vdm	Ldm	Fom		Df	Vdm	Ldm	Fom		Df	Vdm	Ldm	Fom		Df	Vdm	Ldm										
	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam										
00	162	4	8	105	160	137	8	6	90	140	122	8	8	65	100	100	9	7	75	120	70	5	7	55	90	62	3	7	45	75	51	19	6	45	60	25	3	2	20	30
01	162	6	6	100	155	139	6	7	90	135	123	6	8	75	125	100	8	8	75	130	71	6	8	60	95	63	4	4	50	80	49	9	4	35	65	25	4	2	15	25
02	162	6	7	100	150	139	6	7	90	130	123	6	9	75	130	100	8	7	75	125	73	6	8	60	105	63	4	4	50	85	49	22	6	30	55	25	6	2	20	25
03	162	6	6	105	165	137	7	6	90	145	121	6	8	80	130	98	6	8	75	135	73	6	8	60	100	63	4	4	40	75	49	16	6	50	70	25	6	2	30	45
04	162	6	7	110	160	137	6	6	90	140	121	4	8	75	125	98	6	8	85	150	73	6	4	65	110	63	4	2	50	75	49	22	6	35	55	25	4	2	20	30
05	162	4	6	110	175	135	6	6	100	150	117	6	12	105	165	92	10	16	130	190	71	6	3	70	120	64	5	3	30	70	51	9	6	30	45	25	4	2	20	30
06	160	4	4	105	155	130	13	5	110	175	109	16	16	130	200	86	17	14	130	195	61	10	10	80	135	61	4	4	55	90	50	15	6	40	60	25	4	5	20	35
07	158	4	4	105	160	129	10	10	115	180	111	14	17	125	195	90	10	17	120	195	54	9	15	90	140	54	5	7	75	125	45	16	4	30	50	25	4	4	20	40
08	159	3	7	125	180	131	8	14	150	195	113	12	23	130	195	87	17	17	120	200	47	12	12	85	110	47	10	8	70	120	41	16	6	50	65	25	4	8	20	30
09	160	4	8	140	190	127	12	12	155	190	106	16	18	120	190	86	12	14	130	200	43	12	10	70	100	43	12	8	90	120	37	14	6	45	65	25	2	12	20	40
10	160	4	6	135	190	129	11	11	140	200	115	9	25	175	230	80	23	10	130	200	45	14	10	55	100	41	8	8	70	140	35	18	4	65	90	25	4	10	30	40
11	160	4	6	130	175	129	12	10	130	180	106	19	16	160	230	89	17	19	145	225	45	14	12	90	130	39	16	6	90	120	38	11	7	70	90	25	6	4	30	40
12	160	7	5	150	195	131	15	10	180	220	111	20	20	170	255	97	11	27	140	200	43	24	8	40	60	39	18	12	40	100	40	13	9	70	100	25	7	6	35	40
13	162	8	6	135	200	132	20	9	130	185	118	19	24	120	190	97	21	24	125	200	54	19	19	50	65	43	26	14	90	140	40	21	7	90	120	27	16	9	35	50
14	162	11	4	125	170	137	13	11	90	135	123	14	21	140	200	102	17	26	120	185	50	34	14	105	125	45	27	12	80	110	45	12	9	70	90	27	17	7	40	60
15	164	6	5	100	145	135	14	8	105	145	119	14	15	130	190	96	15	16	125	190	55	26	18			47	25	9	90	125	46	9	8	60	95	29	12	7	40	60
16	162	6	4	90	140	134	11	7	110	145	117	15	12	130	185	96	14	17	105	165	54	24	16	110	160	53	12	10	70	105	49	7	9	45	70	29	6	11	40	60
17	161	5	4	100	135	133	10	8	115	160	113	13	14	110	160	93	13	15	110	170	54	19	10	45	165	59	6	8	60	700	53	8	4	25	45	29	6	4	40	60
18	160	2	5	100	150	131	10	7	100	140	113	13	9	100	155	94	11	8	75	125	60	10	7	95	135	65	2	6	60	95	53	10	2	40	55	29	5	6	40	50
19	160	4	5	90	135	133	6	7	100	160	117	8	7	80	135	96	9	7	85	135	67	9	8	75	110	68	3	7	60	80	57	6	6	35	55	27	4	6	35	40
20	160	7	4	110	150	135	9	6	80	130	119	8	7	80	130	100	6	8	75	120	69	8	6	70	105	67	5	9	50	80	55	11	3	35	60	25	4	2	25	30
21	162	4	6	110	150	135	9	4	90	130	119	8	6	60	100	100	6	7	60	95	69	8	4	70	100	67	4	8	45	70	53	8	5	45	65	23	4	4	25	40
22	162	4	6	110	165	136	6	6	80	120	119	6	6	65	100	100	7	8	60	100	69	6	7	55	85	63	4	7	35	70	51	8	2	35	45	25	4	4	15	25
23	161	5	5	100	150	135	8	6	80	120	119	8	6	65	100	100	6	8	60	110	69	6	6	60	90	63	6	5	50	75	51	22	6	40	75	24	3	2	20	25

F_{om} = median value of effective antenno noise in db above k1b

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

D_2 = ratio of median to lower decile in db

V_{1-} = median deviation of average voltage in db below mean power

 σ_{dm} = median deviation of coverage variance in dB below mean power
 σ_{dm} = median deviation of coverage variance in dB below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming

Lat. 43.2N Long. 105.2W

Month March

1963

Hour (LST)	Frequency (Mc)																																															
	.013								.051								.160								.495								2.5				5				10				20			
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm								
00	154	2	4	110	170	128	7	4	55	95	104	9	6	100	160	86	11	6	60	130	60	8	9	45	80	55	6	4	40	75	37	10	4	25	40	24	2	0	10	25								
01	154	3	2	115	170	128	6	4	55	95	104	11	6	80	150	86	11	6	70	125	60	7	10	55	85	55	7	4	40	75	37	7	4	25	35	26	0	2	15	30								
02	154	7	2	100	170	128	7	3	65	100	102	12	6	80	140	86	10	7	80	145	60	6	9	45	75	53	8	2	30	60	35	6	2	15	35	26	0	2	10	25								
03	154	7	2	110	180	128	6	2	55	100	104	6	7	90	155	84	10	7	70	140	58	8	8	45	85	53	6	2	35	70	35	10	2	20	40	26	0	2	15	30								
04	154	6	2	110	190	128	6	2	45	85	100	13	6	80	160	82	11	7	75	145	56	10	8	40	80	53	6	2	35	70	37	6	4	20	40	26	0	2	15	30								
05	154	4	4	115	190	128	6	4	40	85	96	11	7	80	155	72	11	6	70	120	54	16	6	40	75	53	8	4	35	70	39	4	4	20	40	26	0	2	15	30								
06	154	5	3	115	180	124	10	5	40	85	86	18	14	65	110	60	14	6	20	45	52	3	6	45	90	51	3	4	35	70	41	5	2	25	45	26	0	2	20	30								
07	152	8	4	115	180	120	14	8	55	80	76	30	8	65	120	56	9	2	25	50	40	9	7	40	80	43	10	5	40	70	39	9	2	20	45	26	2	2	15	35								
08	148	12	2	120	180	114	18	6	60	95	74	32	10	65	110	56	8	4	25	40	32	7	4	30	50	35	11	4	20	40	37	8	2	30	50	26	2	2	10	25								
09	149	11	3	120	180	114	12	8	40	80	84	17	20	60	130	56	7	4	35	70	27	7	3	15	35	31	7	2	15	35	37	6	4	20	40	26	2	2	20	40								
10	148	10	4	125	190	114	14	6	30	75	72	30	8	70	120	56			25	50	24	4	0	15	30	29	10	2	20	40	35			20	40	25	*	25	50									
11	148	10	2	100	160	116	10	2	40	80	80	21	15	65	100	56	7	4	30	60	24	2	2	15	25	29	6	4	25	40	37	4	6	25	50	26	2	2	20	35								
12	150	10	5	100	150	116	12	2	30	85	76	26	12	60	95	56	6	2	25	50	24	4	2	20	35	27	8	2	20	40	35	6	4	20	40	26	2	2	25	40								
13	150	8	6	100	160	118	10	6	45	85	82	24	18	60	120	56	11	2	30	60	24	2	2	15	35	29	6	4	15	30	37	8	4	20	40	26	2	2	20	40								
14	150	10	3	110	165	117	12	4	40	80	82	22	16	70	115	56	8	2	25	60	24	2	1	20	35	31	8	4	20	40	39	7	4	15	40	26	2	2	25	45								
15	150	10	4	110	170	118	11	4	50	95	84	20	18	70	125	58	4	4	20	50	26	10	2	20	40	35	11	6	30	60	45	5	7	15	40	26	4	2	20	35								
16	150	8	4	115	180	118	13	6	65	115	84	20	18	65	120	58	11	4	30	50	33	13	7	30	65	39	12	5	30	60	49	4	6	20	40	24	5	0	15	35								
17	150	7	6	120	190	118	15	8	60	115	92	15	18	65	125	66	18	10	50	75	42	14	9	35	60	49	10	7	30	60	51	4	8	20	35	24	2	0	20	35								
18	150	7	6	110	175	120	12	6	60	100	98	15	12	70	140	80	11	12	45	90	53	13	9	40	70	54	8	6	35	70	47	6	5	25	55	24	0	2	15	30								
19	152	8	6	120	180	124	10	8	55	105	102	13	13	75	150	84	14	9	60	120	56	14	8	45	80	53	12	4	45	85	47	6	8	30	60	24	0	0	15	30								
20	153	7	5	120	195	128	6	5	55	90	102	15	12	75	150	84	14	8	60	115	57	13	7	45	85	57	8	8	50	80	42	7	7	20	45	24	2	0	15	30								
21	154	5	5	120	185	130	7	6	50	90	104	13	12	80	160	86	14	8	65	115	59	12	9	45	85	57	7	8	45	80	37	8	4	25	40	24	1	0	10	25								
22	154	5	5	120	190	130	6	7	55	100	104	13	10	80	160	86	14	7	55	120	60	12	10	50	90	55	8	6	45	80	37	8	4	20	40	24	2	0	10	25								
23	154	5	4	115	185	128	8	4	60	100	104	12	8	95	165	88	12	8	85	130	60	11	9	50	85	57	4	5	45	85	37	10	3	20	35	24	2	0	10	20								

F_{am} = median value of effective antenna noise in db above k1b
D_g = ratio of upper decile to median in db
V_{dm} = ratio of median to lower decile in db
L_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming

Lat. 43.2°N Long. 105.2°W

Month April

19 63

Hour (ST)	Frequency (Mc)											
	.013				.051				.160			
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}
00	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	5	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 19	13	7.0 11.5	57 8	6	1.5 3.5
10	157 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

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

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming

Lat. 43.2N Long. 105.2 W

Month May

19 63

Hour (EST)	Frequency (Mc)											
	.013				.051				.160			
	Fom	D _f	Vdm	Ldm	Fom	D _f	Vdm	Ldm	Fom	D _f	Vdm	Ldm
00	160	7	5	10.0	180	138	8	6.0	11.0	116	9	13
01	160	6	7	10.0	175	138	6	6.0	11.5	114	8	11
02	160	5	6	10.5	175	136	7	6.0	11.0	114	8	11
03	158	7	5	11.5	185	136	8	7.0	12.0	114	7	15
04	158	5	4	10.5	180	132	7	6.0	11.0	100	4	16
05	156	6	5	11.0	190	130	7	10	8.0	135	100	13
06	156	6	4	12.0	185	128	9	11	9.0	145	98	13
07	156	5	4	12.5	195	125	9	10	9.5	140	90	7
08	156	4	4	13.0	190	126	6	10	8.0	125	97	8
09	154	7	4	14.0	200	124	10	6	7.5	120	90	7
10	158	7	6	13.0	200	128	10	10	10.0	150	102	22
11	160	6	6	12.0	195	132	13	11	11.0	170	106	20
12	161	8	8	12.0	190	134	13	13	10.5	170	110	17
13	162	8	6	10.5	175	134	15	8	8.0	135	110	24
14	164	8	4	11.0	170	139	14	10	8.0	135	117	18
15	164	8	5	10.5	170	142	10	15	8.0	150	120	13
16	164	9	5	9.0	160	140	13	12	7.5	140	120	15
17	164	8	6	10.5	165	140	14	11	7.5	150	118	17
18	162	10	5	9.5	160	140	12	10	10.0	160	118	16
19	162	9	5	9.0	155	140	8	12	7.5	130	118	13
20	164	6	6	9.0	155	140	8	9	6.5	120	119	11
21	164	6	8	9.5	165	140	8	11	5.5	100	120	9
22	162	8	8	10.0	165	140	8	9	6.0	110	118	9
23	160	8	5	10.0	170	142	4	11	6.0	110	118	7

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

D_f = ratio of upper decile to median in db

Vdm = 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 Boulder, Colorado Lat. 40.1N Long. 105.1W

Month March

19 63

Hour (LST)	Frequency (Mc)																																									
	.013					.051					.160					.495					2.5					5					10					20						
	Fom		Du	Df	Vdm	Ldm	Fom		Du	Df	Vdm	Ldm	Fom		Du	Df	Vdm	Ldm	Fom		Du	Df	Vdm	Ldm	Fom		Du	Df	Vdm	Ldm	Fom		Du	Df	Vdm	Ldm	Fom		Du	Df	Vdm	Ldm
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm		
00	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	57	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	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	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	154	4	0	9.5	14.0	129	10	2	5.0	8.5	100	12	4	8.5	14.0	86	10	4	9.0	13.0	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	44	8	4	2.0	3.0	39	8	6	3.0	4.5	38	4	6	5.5	7.0	26	4	2	2.5	5.0		
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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		

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

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Month April

19 63

Hour (LST)		Frequency (Mc)																																						
		.013				.051				.160				.495				2.5				5				10				20										
		Fam	Du	D _g	Vdm	Ldm	Fam	Du	D _g	Vdm	Ldm	Fam	Du	D _g	Vdm	Ldm	Fam	Du	D _g	Vdm	Ldm	Fam	Du	D _g	Vdm	Ldm	Fam	Du	D _g	Vdm	Ldm	Fam	Du	D _g	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	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	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	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	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	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	154	6	4	13.0	18.5	129	7	5	9.0	13.0	104	12	10	11.0	18.0	91	10	16	10.0	16.0	71	4	11	6.0	10.0	60	6	10	5.0	9.0	37	4	4	4.0	5.0	25	2	4	2.5	3.0
04	154	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	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	154	6	2	13.0	17.0	128	6	10	10.5	15.0	91	20	18	9.0	15.0	67	16	7	4.0	7.0	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	154	6	4	13.0	17.0	122	8	8	7.5	11.5	85	28	18	7.5	12.0	63	15	4	4.0	5.0	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	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	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	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	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	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	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	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	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	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	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	154	8	2	10.0	15.0	120	12	6	7.0	13.5	82	25	11	6.5	9.5	65	7	4	4.0	6.5	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	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	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	154	6	3	10.0	12.0	124	6	10	7.0	14.0	91	25	14	8.5	10.5	67	12	5	7.0	9.0	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	154	8	2	13.0	18.0	130	6	6	8.5	11.5	105	13	9	8.0	18.0	90			8.0	15.0	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 k1b

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado

Lat. 40.1 N Long. 105.1 W

Month May

19 63

Hour (EST)	Frequency (Mc)																																		
	.013				.051				.160				.495				2.5				5				10				20						
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm
00	161	6	6	115	180	137	4	6	70	120	116	7	11	60	110	97	6	11	70	125	72	8	8	55	80	43	10	6	50	70	26	2	15	25	
01	161	2	6	120	175	135	7	4	60	110	118	6	13	70	130	94	11	9	75	125	70	10	8	65	90	44	7	11	50	75	26	2	20	35	
02	159	4	4	115	170	135	8	4	60	110	116	8	12	75	140	95	9	12	70	140	72	8	4	55	105	43	8	9	40	65	26	2	20	30	
03	157	4	2	110	165	135	6	6	90	145	116	6	13	90	140	89	14	10	90	150	70	8	6	55	100	43	6	9	35	60	26	2	20	30	
04	157	4	6	110	170	131	6	8	100	130	102	12	16	105	160	71	16	10	45	45	66	8	6	6	45	80	43	7	6	40	65	26	2	20	35
05	155	6	4	120	190	129	6	6	100	135	98	16	17	130	170	67	16	8	35	50	56	6	10	40	60	45	6	4	45	75	26	0	20	30	
06	154	5	5	115	180	125	10	8	80	130	96	16	16	120	170	65	17	4	40	50	52	4	8	30	40	43	6	4	50	95	26	2	25	30	
07	155	4	6	140	190	125	6	10	115	130	98	14	18	105	150	65	12	4	40	50	50	4	4	20	30	41	6	4	55	75	26	2	1	35	50
08	153	6	4	120	170	124	6	8	130	160	94	16	14	135	170	65	23	2	40	60	48	6	4	20	40	47	4	8	45	65	27	3	1	25	30
09	153	6	4	140	180	124	9	6	130	180	103			170	245	69			35	50	48	6	2	35	40	47	2	4	40	45	38	6	3	65	80
10	157			150	200	127			125	180	104			100	175	69	14	6	50	55	50					47			30	45	39	4	3	60	90
11	159	4	9	110	150	135	4	13	110	155	106	15	25	95	165	76	21	11	80	135	52	5	4	50	70	49	2	4	40	60	40	5	3	55	90
12	161	4	9	120	175	136	5	15	100	155	114	8	24	120	180	86	20	21	130	190	54	14	6	55	70	50	5	5	70	100	43	4	9	20	100
13	162	7	10	120	180	138	9	13	90	150	116	12	22	90	160	93	18	26	95	160	56	17	6	70	145	52	11	7	55	80	44	6	7	45	80
14	163	8	6	95	145	139	12	12	75	120	121	10	12	90	145	95	17	20	90	140	56	20	10	70	115	53	16	6	50	90	47	9	4	55	90
15	163	4	4	100	150	139	6	8	75	130	120	10	11	90	150	99	14	28	60	95	56	22	8	50	100	57	7	10	65	110	49	6	5	50	75
16	165	6	6	90	145	139	10	8	75	125	121	9	14	70	120	92	17	21	65	135	60	18	12	80	100	59	8	10	45	80	51	9	6	35	60
17	165	6	6	90	145	139	7	6	70	120	120	10	12	70	140	91	20	16	70	125	58	16	8	50	75	61	6	9	40	80	53	5	4	40	65
18	161	6	4	85	140	138	7	7	60	110	119	8	14	75	130	89	16	15	90	140	64	10	6	40	95	65	7	6	45	70	56	3	4	40	75
19	161	6	6	100	155	139	6	8	70	105	120	7	14	55	100	95	8	12	65	110	70	9	7	50	100	69	6	6	50	75	57	6	5	40	70
20	163	4	8	100	140	140	6	7	60	110	122	4	13	60	105	97	8	10	50	90	74	8	6	45	80	69	6	4	50	85	55	5	6	45	90
21	161	6	8	100	140	139	4	6	65	110	120	5	11	60	100	99	4	13	50	90	74	8	5	55	100	69	6	8	50	90	57	6	9	50	70
22	161	6	8	90	160	138	5	5	65	115	122	2	13	60	110	99	3	13	60	85	74	7	8	40	80	67	6	5	45	80	47	10	8	50	80
23	161	4	8	100	160	138	5	6	80	120	120	5	12	75	145	97	7	11	75	120	73	8	8	50	95	67	6	8	50	85	45	8	5	50	75

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

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

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

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6 S Long. 130.4 E

Month April

1963

Hour (LST)	Frequency (Mc)																																								
	.013				.051				.160																																
	F _m	D _u	D _l	V _{dm}	F _m	D _u	D _l	V _{dm}	F _m	D _u	D _l	V _{dm}																													
00	159	3	2	7.5	125	133	4	8.5	140	108	6	5	7.0	120	88	8	6	6.0	110	59	8	5	6.0	110	54	4	4	5.0	100	42	2	5	3.5	6.0	22	0	0				
01	159	4	2	7.5	130	133	4	8.5	135	109	4	5	7.0	125	90	4	6	6.0	115	59	6	6	6.0	115	54	3	5	5.0	95	42	4	6	3.5	7.0	22	0	0				
02	159	2	2	8.0	130	133	4	8.0	140	108	6	4	7.0	125	90	4	6	5.5	110	59	6	6	6.0	110	54	3	5	4.0	75	40	5	3	4.0	6.5	22	0	0				
03	159	2	2	8.0	140	133	4	8.5	145	109	5	5	7.0	130	90	4	6	7.0	125	59	6	6	5.5	100	58	5	4	4.0	80	42	5	5	4.5	7.0	22	0	0				
04	159	2	2	8.0	145	131	5	9.0	155	108	4	7	7.0	140	88	6	4	6.0	120	59	6	4	5.0	110	58	4	6	5.5	95	40	4	6	3.0	5.5	22	0	0				
05	159	2	3	8.0	150	130	5	9.5	155	106	5	7	9.0	160	86	6	6	6.5	120	59	4	5	6.5	110	54	3	5	5.0	95	36	4	4	3.0	5.0	22	0	0				
06	159	2	4	9.0	155	127	4	6	9.0	145	92	12	6	7.5	135	57	9	11	7.0	100	57	5	6	6.0	120	52	4	4	5.5	95	38	4	4	3.0	6.5	22	2	0			
07	157	2	3	9.0	160	121	5	4	9.0	150	70	18	6	10.5	140	43		8.0	110	37	11	6	6.5	125	42	6	5	4.5	7.5	40	9	4	4.0	6.0	22	2	1	3.0	4.5		
08	155	3	4	10.5	170	115	10	4	11.0	185	68	19	8	16.5	175	44				27	10	4	7.5	135	28	12	5	8.0	130	35	10	5	4.0	7.0	22	2	0	3.0	5.0		
09	155	7	2	11.0	175	115	11	6	13.0	200	72	21	10	12.5	195	42		18.0	160	23	12	2	6.5	100		15	9	8.0	125	31	6	5	3.5	6.0	22	2	2	3.0	5.5		
10	153	4	4	12.0	190	115	8	6	15.0	235	76	12	12	11.0	140	47		3.5	5.5	23						20	9	6	7.0	120	28	6	4	3.5	5.5	22	2	4	3.0	5.5	
11	153	4	2	13.0	190	116	5	7	15.0	230	76	12	10	13.0	220	50		3.0	5.5	21							10	6	7.5	110	26	8	6	6.5	10.0	22	2	2	3.5	5.0	
12	155	2	4	13.5	210	117	8	7	14.5	225	78	16	9	13.0	210	52	5	10	3.0	6.0	43							16	4	5.0	9.0	26	11	6	4.0	6.5	22	2	2	4.0	5.5
13	155	4	4	13.5	210	119	6	4	12.0	200	80	17	8	13.0	205	52	4	8	3.0	4.0	25							15	6	6.5	9.5	26	12	4	5.5	9.5	22	2	4	3.0	5.5
14	157	2	5	12.0	200	121	6	6	10.0	185	85	11	14	11.5	200	46				26							11	8	6.0	120	31	11	7	6.0	11.0	22			4.0	7.0	
15	157			10.5	175	121			11.0	190	86	15	16	11.5	200	48	14	6	4.0	7.0	33									6.0	130	34	8	4	7.0	13.5	24	6	2	3.0	5.0
16	157	4	2	9.0	155	121	7	6	8.0	150	86	13	12	9.0	185	50	18	8	6.5	11.5	27	17	6	6.5	120	34	12	6	5.0	95	40	5	4	5.0	7.5	24	9	2	3.0	5.5	
17	157	5	2	8.0	140	123	6	8	9.5	165	94	11	11	9.5	180	76	12	15	5.5	10.5	41	15	7	5.0	125	44	8	8	6.0	105	42	3	3	6.0	9.5	22	6	0	3.0	5.5	
18	157	2	2	7.5	135	126	5	9	9.0	160	106	3	13	8.0	180	88	7	6	6.0	115	55	13	7	6.5	120	54	3	7	5.0	120	42	4	4	4.0	8.5	22	11	2	2.5	4.0	
19	159	4	2	8.0	135	129	5	6	10.0	170	108	5	8	8.5	160	92	6	6	5.5	11.5	61	7	7	6.0	115	56	6	6	5.0	105	42	4	6	3.5	7.5	22	0	2	2.5	4.0	
20	159	4	2	7.5	125	131	5	4	9.0	160	109	6	5	7.0	130	92	9	6	6.0	125	63	8	7	5.0	115	54	8	4	6.0	120	42	6	4	4.5	8.5	22	0	3			
21	159	4	2	6.5	115	133	2	4	8.0	150	110	4	6	6.0	130	93	7	7	5.5	110	63	8	9	6.5	120	54	3	12	5.0	115	42	4	5	3.0	6.0	22	0	2			
22	159	4	2	7.5	130	132	4	4	8.5	145	109	6	5	6.0	135	92	6	9	5.5	110	61	8	7	6.0	110	54	4	4	5.6	105	42	4	6	3.5	6.5	22	0	0			
23	159	3	2	7.0	120	133	2	4	8.5	140	108	6	4	7.0	130	89	7	5	7.0	120	61	7	8	6.0	115	54	6	6	6.5	110	42	3	7	3.5	6.5	22	0	0			

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6 S Long. 130.4 E

Month May

19 63

F _m (S)	Frequency (Mc)											
	.013				.051				.160			
	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}
00	159	4	2	7.5 13.0	131	7	2	8.5 14.0	89	11	4	6.0 12.0
01	159	2	2	8.0 13.5	133	5	4	8.0 14.0	89	11	6	7.5 13.0
02	159	2	2	8.5 14.0	133	2	4	8.5 14.0	89	8	4	7.0 12.5
03	159	2	2	8.5 14.0	131	6	2	8.0 13.0	89	8	6	6.5 12.5
04	159	2	3	8.5 14.0	131	6	2	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	87	7	6	7.0 13.0
06	159	2	4	8.5 14.5	129	5	4	8.0 15.0	75	8	11	12.0 21.0
07	157	2	2	8.5 13.5	121	8	4	7.5 14.0	49	27	6	4.0 6.5
08	153	4	2	9.0 15.5	119	11	7	9.5 15.0	47	29	6	8.0 13.0
09	155	4	4	10.5 17.5	119	12	10	11.5 19.0	51	24	10	14.5 21.5
10	155	4	4	12.0 18.5	117	12	8	12.0 19.0	47	31	6	11.0 18.0
11	155	4	2	12.5 19.0	117	10	8	11.5 21.0	47	30	6	5.0 7.5
12	155	2	4	14.0 21.0	117	12	8	13.0 20.5	47	27	6	8.5 12.5
13	155	6	2	11.5 19.5	117	14	8	10.0 19.0	51	33	10	13.0 18.0
14	155	4	2	11.0 18.0	117	12	8	11.0 18.5	47			
15	157			9.0 16.5	119			10.5 20.0	55	41	12	12.0 21.0
16	157	2	4	8.5 15.0	121	13	9	10.5 18.0	61	29	8	10.0 19.0
17	155	4	2	7.0 13.0	121	15	6	10.0 18.0	79	18	7	6.5 15.0
18	157	5	5	8.0 13.0	127	13	10	9.0 17.5	87	13	8	7.0 15.5
19	157	3	4	7.5 12.5	133	8	10	9.0 16.0	91	13	6	5.5 12.0
20	159	6	2	7.5 13.0	133	10	6	9.0 15.0	91	13	4	5.0 11.5
21	159	6	3	7.5 12.0	133	11	5	7.5 13.5	93	10	8	6.0 12.0
22	159	6	2	7.5 12.5	133	10	5	8.5 14.5	111	12	6	6.0 12.5
23	159	5	3	8.0 13.0	133	6	5	7.5 13.0	89	12	5	6.5 13.0

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

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin

Lat. 60-70 S Long. 37.5-52.5 W Month March

19 63

Frequency (Mc)

F ₀ (Mc)	Frequency (Mc)																													
	.013				.160				.495				2.5				5				10				20					
	F _{am}	D _L	V _{dm}	L _{dm}	F _{am}	D _L	V _{dm}	L _{dm}	F _{am}	D _L	V _{dm}	L _{dm}	F _{am}	D _L	V _{dm}	L _{dm}	F _{am}	D _L	V _{dm}	L _{dm}	F _{am}	D _L	V _{dm}	L _{dm}	F _{am}	D _L	V _{dm}	L _{dm}		
00	155		90	150	128		40	8.5	88		40	8.5	88		64		45	80	57		40	60	37		25	50	28		25	35
01	157		120	135	126		80	100	88		80	100	88		64		45	70	55		50	75	35		35	55	26		20	30
02	159		100	130	128		35	70	90		35	70	90		64		30	60	59		40	70	35		30	50	26		20	30
03	157		130	210	126		45	85	86		45	85	86		62		45	75	59		30	55	38		45	60	26		20	20
04	157		90	145	126		40	70	88		40	70	88		64		55	85	61		45	85	38		40	60	26		15	25
05	157		80	135	120		40	75	78		40	75	78		62		45	75	63		65	100	49		30	45	30		20	45
06	153		80	150	116				64				64		49				55		60	90	41		40	50	29		35	100
07	153		100	155	114		65	95	61		65	95	61		43		85	110	49		20	70	35		30	55	26		10	20
08	153		100	160	110		75	115	61		75	115	61		40		90	110	39				34		45	80	26		25	35
09	154		120	180	106		110	170	60		110	170	60		38		65	90	35		40	65	31		40	60	28		10	25
10	152		100	160	107				61				61		38		80	100	29		50	75	33		30	35	27		20	35
11	154		100	160	110		65	95	62		65	95	62		36		85	100	33		60	95	29		20	30	28		20	35
12	157		75	130	112				58		65	95	58		36		70	95	29		55	100	29		30	40	26		15	30
13	157		100	160	116				60				60		35		110	120	28		80	110	29		25	35	26		20	30
14	160		80	130	115				58				58		36		45	130	29		50	70	29		20	115	26		20	25
15	161		70	120	117				59				59		36		80	105	33		40	65	35		20	30	28		20	30
16	161		70	110	117				62		45	80	62		36		70	95	34		35	60	41		25	40	28		30	30
17	161		65	110	116				58				58		39		80	90	42		45	70	39		30	50	27		10	25
18	161		65	105	114				58				58		42		40	60	48		30	40	42		40	60	26		20	30
19	159		55	95	114				70				70		54		35	50	51		30	50	41		40	55	27		25	35
20	157		60	95	117				86				86		60		20	45	55		40	60	41		25	45	26		20	30
21	156		60	95	120				86		40	75	86		64		40	70	55		30	60	41		20	40	28		40	50
22	157		80	135	124				88				88		68		45	70	57		35	60	39		40	55	26		30	50
23	157		75	115	126				89		40	70	89		66		40	65	57		35	55	43		50	80	28		20	30

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

D_L = 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

F ₀ (LSI)	Frequency (Mc)																															
	.013				.160				.495				2.5				5				10				20							
	F _{am}		D _f		V _{dm}		L _{dm}		F _{am}		D _f		V _{dm}		L _{dm}		F _{am}		D _f		V _{dm}		L _{dm}		F _{am}		D _f		V _{dm}		L _{dm}	
	F _{am}	D _f	F _{am}	D _f	F _{am}	D _f	F _{am}	D _f	F _{am}	D _f	F _{am}	D _f	F _{am}	D _f	F _{am}	D _f	F _{am}	D _f	F _{am}	D _f	F _{am}	D _f	F _{am}	D _f	F _{am}	D _f	F _{am}	D _f	F _{am}	D _f		
00	155		120	180	123		80	130	94		70	120	64		50	80	53		55	90	39		40	50	29		40	50	29		20	30
01	158		130	190	128		80	135	102		20	50	89		60	90	35		50	70	41		45	70	32		45	70	32		20	30
02	157		110	170	120		70	130	94		100	170	87		75	110	53		60	85	39		15	35	29		15	35	29		20	30
03	156		150	215	121		100	155	94		90	165	82		80	150	58		55	85	39		40	60	27		40	60	27		20	30
04	157		140	200	122		90	140	99		90	160	83		20	50	58		80	125	57		37		26		30	50				
05	159		165	220	120		120	165	92				76			60	85	56		70	100	40			29							
06	159		150	210	116		90	140	76		110	150	54		25	35	51		90	125	55				27							
07	147		130	195	116		85	140	70		105	120	55		30	45	35		60	130	47				28							
08	146		110	170	114		105	170	69		60	100	54		20	30	42		40	60	35				28							
09	159		105	190	113		85	135	68		80	105	52		40	60	37		25	40	33				29							
10	154		105	175	115		135	180	72		95	130	53		20	30	30		60	105	31				28							
11	157		120	170	108		130	180	72		75	90	53		25	40	31		45	65	30				28							
12	159				112		95	155	75				54		25	40	26		45	65	31				28							
13	160		70	125	116		90	145	78		95	150	55		20	35	26		40	65	28				27							
14	161		90	140	118		75	125	80		80	130	54				28		30	40	32				27							
15	161		70	135	120				74		75	90	54				30				32				27							
16	161		70	120	118		65	110	70		75	110	54		30	70	30		55	100	34				28							
17	161		70	120	118		50	90	69		70	95	53		35	50	40		60	90	51				28							
18	161		65	110	115		70	110	71		45	70	58		25	40	45		40	60	50				27							
19	159		80	135	118		60	105	82				70		65	125	58		55	80	53				26							
20	161		80	145	116		80	140	89		60	100	84		35	80	66		55	75	55				28							
21	159		85	140	126		45	90	101				86		50	100	68				53				30							
22	159		70	140	124		60	125	92		65	115	82		55	100	66		50	85	53				29							
23	155		115	180	121		95	150	95		70	125	87		80	150	62		55	90	55				29							

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

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

$D\phi$ = ratio of median to lower decile in db

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 _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}					
	F _{am} ⁺	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _g	V _{dm}	L _{dm}					
00	164				139				119				104				76				50	75	41		55	90	31										
01	163				137				105				101				76				50	85	39		35	55	28										
02	162				138				118				105				76				40	65	37		30	45	28										
03	161				136				119				104				75				55	90	40		30	60	27										
04	161				136				118				103				75				80	110	45		55	100	32										
05	163				135				114				100				77				50	80	66		50	75	28										
06	161				133				116				104				67				90	140	58		40	60	32										
07	160				134				114				95				71				80	120	60		30	40	39										
08	160				130				112				96				70				120	160	57		25	45	38										
09	162				134				112				101				84						59				41										
10	165				138				117				94				75				110	160	66		70	100	56										
11	171				141				114				102				60				85	120	68		55	85	45										
12	166				128				102				98				62				55	90	67		50	90	43										
13	166				131				98				73				41				65	90	41		41	35	34										
14	167				131				96				76				40				80	180			43	30	40										
15	168				131				98				83				41				35	70	48		35	55	42										
16	168				131				100				81				50				45	65	52		55	80	40										
17	167				133				100				85				61				50		57		40	65	29										
18	167				133				107				100				70				40	60	61		45	70	42										
19	167				136				112				104				78				30	50	61		45	70	42										
20	166				137				111				103				78				40	65	60		50	70	40										
21	165				136				114				104				79				45	70	61		45	70	40										
22	165				137				117				103				77						61		35	55	40										
23	165				137				119				104				76				50	75	62		50	70	38										

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

D_g = ratio of upper decile to median in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

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

Hour (EST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm				
00	149	4	9	100	16.8	120	7	6	85	135	94	7	8	70	110	81	8	10	75	135	58	7	4	35	70	53	5	5	45	70	33	10	6	20	40	30	4	2	20	30
01	149	2	3	110	17.5	118	9	5	85	120	93	10	9	90	150	79	12	5	65	115	58	6	4	40	75	53	4	4	45	70	33	7	5	25	50	30	2	2	20	40
02	149	4	8	120	18.0	118	5	7	95	150	93	9	7	75	130	79	9	5	75	120	58	5	3	45	75	52	7	5	50	80	32	4	4	20	35	30	0	3	20	30
03	148	5	5	115	17.5	120	6	10	100	155	93	7	7			80	10	7	80	130	58	8	4	50	80	49	8	3	45	80	33	16	5	20	40	30	6	4	20	25
04	149	6	6	125	18.0	118	7	10	115	170	94	8	10	90	145	79	11	4	115	180	56	7	3	45	75	51	10	4	50	80	35	9	6	30	50	28	4	0	20	30
05	149	6	7	130	19.0	118	9	5	105	160	93	9	12	90	155	83	8	11	60	115	58	4	7	60	105	54	6	5	50	80	37	9	3	45	75	30	8	1	25	40
06	149	6	12	120	18.0	118	8	10	110	175	87	16	9	95	160	64	24	8	55	85	57	7	5	55	100	59	25	6	50	90	39	11	6	25	50	30	3	2	70	20
07	146	6	21	135	19.0	112	9	11	120	165	74	23	7	110	150	57	23	8	30	45	48	10	5	55	100	59	6	8	40	75	35	5	3	40	60	30	5	4	20	35
08	145	4	11	125	18.0	112	6	14	150	210	73	15	9	115	170	57	14	10	30	50	40	9	11	70	110	48	6	10	50	90	34	3	3	35	65	30	2	5	20	30
09	145	6	7	110	18.0	110	5	12	140	195	73	16	10	145	205	61	6	14	40	65	36	13	7	45	80	39	14	10	60	95	33	3	2	40	75	30	6	5	20	35
10	145	2	10	110	16.0	108	14	10	100	180	75	23	11	110	150	58	8	11	45	70	36	9	8	50	75	35	10	4	55	90	32	5	4	35	70	30	5	6	20	35
11	145	2	14	95	14.0	104	15	4	110	160	75	17	10	95	105	57	14	10	30	70	32	9	5	40	70	31	6	10	60	85	30	8	4	40	70	30	4	4	20	40
12	147	4	10	80	12.5	100	10	8	100	135	70	24	9			58	11	11	35	65	32	8	5	45	70	29	9	4	35	55	29	10	4	30	60	30	3	4	20	35
13	145	5	10	75	10.5	106	12	16	145	200	71	19	8			59	12	12	50	60	36	8	9	35	60	31	9	6	55	90	31	5	6	40	65	30	7	4	35	70
14	146	6	8	90	14.0	106	13	11	100	160	70	15	7	15	35	59	10	12	30	50	36	11	6	50	90	33	9	7	50	85	35	4	6	30	55	32	2	4	25	40
15	145	6	9	85	14.0	106	11	8	120	160	73	18	9	130	210	63	10	15	30	50	42	9	11	30	60	39	7	8	50	75	35	7	6	25	55	30	4	2	20	30
16	145	5	9	90	14.0	106	6	7	60	100	75	7	11	65	140	59	12	12	30	60	50	4	8	35	60	47	8	4	35	70	37	6	8	30	50	30	2	4	25	40
17	146	5	5	85	13.0	110	7	6	75	120	75	10	11	75	120	63	11	7	25	55	53	6	7	30	60	51	6	6	50	80	37	5	7	35	60	30	4	6	20	30
18	147	2	5	80	12.5	112	4	5	65	105	84	7	9	50	80	71	9	11	35	60	56	6	4	40	60	51	6	6	45	70	35	10	8	30	60	28	4	2	20	35
19	147	7	14	80	13.5	116	4	11	65	100	89	10	11	55	95	77	9	10	40	95	59	7	4	40	70	53	5	7	35	65	35	4	4	30	55	28	6	1	20	35
20	149	3	4	80	13.0	118	9	11	80	120	89	11	8	60	100	81	6	12	70	125	62	3	5	40	70	53	6	6	30	50	37	9	7	25	45	28	5	2	15	35
21	149	4	6	90	14.5	118	8	7	80	130	93	7	10	80	125	81	10	12	60	95	62	3	8	40	70	53	6	7	35	60	34	9	6	25	50	30	3	2	20	30
22	147	7	6	105	16.0	118	6	7	90	150	94	9	12	90	140	81	12	10	50	90	62	6	6	35	65	53	6	7	40	70	31	14	4	25	45	30	4	3	15	30
23	149	3	4	110	16.0	120	6	12	80	125	96	8	10	65	110	83	7	11	55	90	60	4	10	30	55	51	8	8	40	60	33	12	8	15	30	30	5	2	20	35

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

D_f = ratio of upper decile to median in db

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

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

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

1963

F_{om} = median value of effective antenna noise in db above kfb
 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. 52.5-67.5 W Month April

19 63

Frequency (Mc)																																				
Hour (LST)	.013				.051				.160				.495				2.5				5				10				20							
	F _{am} [*]	D _l	V _{dm} [*]	L _{dm} [*]	F _{am} [*]	D _u	F _{am} [*]	V _{dm} [*]	L _{dm} [*]	F _{am} [*]	D _u	F _{am} [*]	D _l	V _{dm} [*]	L _{dm} [*]	F _{am} [*]	D _u	F _{am} [*]	D _l	V _{dm} [*]	L _{dm} [*]	F _{am} [*]	D _u	F _{am} [*]	D _l	V _{dm} [*]	L _{dm} [*]	F _{am} [*]	D _u	F _{am} [*]	D _l	V _{dm} [*]	L _{dm} [*]			
00	155				140				119					4.0	8.5	74		61					39													
01	159		9.0	14.5	148		7.0	12.5	123								63					39														
02	155				142				121					4.0	7.5	78		65				39														
03	153				142				117								65					43														
04	159		16.0	22.0	146		6.5	11.5	119								63					39														
05	149				132				115								63					39														
06	151				130				105								63					41														
07	157		5.5	11.5	126				111								59					49														
08	159		7.0	14.0	126				103					4.5	10.0	54		53				49														
09	149								99					1.0	3.5	56		47				47														
10									101					6.0	12.5	46		47				45														
11					124				99								45					43														
12	155				124				97					10.0	14.5	71		43				41														
13					124				93								39					41														
14					124				93					8.0	12.0	69		41				41														
15	141				124				91					4.5	8.0	40		45				45														
16					116												53					45														
17	157		9.5	15.0	118				95	15.5	91						57					45														
18																	59																			
19	157								105								70					47														
20	161		11.0	16.5	127				111					8.0	12.5	99		60				45														
21	154				132				113					9.0	15.0	104		59				41														
22	155		11.5	16.0	136												61																			
23	157		10.0	16.5	146				121					7.0	13.5	107		57				39														

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

D_l = 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. 375-52.5 W Month April 19 63

Hour (EST)	.013			.051			.160			.495			2.5			5			10			20		
	F _{am} *	D _u	V _{dm} *	F _{am} *	D _u	V _{dm} *	F _{am} *	D _u	V _{dm} *	F _{am} *	D _u	V _{dm} *	F _{am} *	D _u	V _{dm} *	F _{am} *	D _u	V _{dm} *	F _{am} *	D _u	V _{dm} *	F _{am} *	D _u	V _{dm} *
00	157		7.0 16.0	140		9.0 15.0	115		6.0 11.5	99		5.5 10.5	60		6.1	59		39		38				
01	157		9.5 14.0	140			117		4.0 8.5	105		5.5 10.5	62			45		45		42				
02	157		8.5 13.0	138			117		8.0 13.5	101			68			47		40		40				
03	155			138			113		7.5 12.0	99			74			49		32		32				
04	153			132		8.0 13.0	113		6.5 11.0	103		6.5 12.5	68			53		40		40				
05	153		11.0 14.5				105			99			74			57		40		40				
06				120			95			77			72			51		38		38				
07				120			85			45			48			43		34		34				
08	151		12.0 18.0	116		13.0 20.0	81		6.0 10.0	75			40			39		34		34				
09	135			116			89			67			48			39								
10	137			116			79		8.5 11.5	63		1.0 2.5	38											
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

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

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanim

Lat. 60-70 S Long. 22.5-37.5 W

Month May 19 63

Frequency (Mc).

Hour (LST)	.013				.051				.160				.495				2.5				5				10				20					
	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}		
00	150		11.0	17.0	118		10.0	15.0	80		2.0	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		6.5	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	
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	
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		
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
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		
10	144			12.5	18.0	108			13.5	19.0	70			10.0	19.5	68			3.5	7.0	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		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		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		
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		2.0	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		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		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		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		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		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			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			4.0	8.0	47		3.5	6.0	47		3.5	6.0	28		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		2.0	3.0		
23	152			9.5	13.5	118			8.5	14.0	82					68			5.0	8.0	45		3.0	6.0	32		3.0	6.0	26					

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

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin

Lat. 50-60 S Long. 22.5-37.5 W

Month May 19 63

Hour (EST)	Frequency (Mc)																																								
	.013				.051				.160				.495				2.5				5				10				20												
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm						
	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
00	148	5	7	8.5	13.5	11.9	5	10	7.5	12.0	7.5	14	8	11	8	4.0	7.0	3.5	6.0	4.9	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	11.8	5	7	6.0	9.5	6.0	10	3	10	10	5.0	9.0	5.5	3	4	5.0	8.0	4.9	2	7	4.5	6.5	30	5	5	2.0	4.0	28	3	2.0	3.5					
02	148	5	8	9.5	15.5	11.8	7	9	7.5	11.5	6.2	9	7	9	9	4.5	8.0	5.3	5	2	4.0	6.0	4.7	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	11.8	7	11	8.0	13.0	8.0	15	5	6.4	10	9	4.5	9.5	5.3	4	4	4.5	7.5	4.7	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	11.8	5	9	9.0	14.0	8.2	13	8	6.5	10	11	4.5	8.0	5.1	6	5	5.0	7.5	4.9	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	11.8	4	9	10.0	15.5	8.6	6	11	7.0	12.0	6.0	2.5	4	6.0	12.0	5.3	9	10	4.5	7.5	3.4	5	5	2.5	4.0	28	13	2								
06	148	3	8	10.5	16.0	11.6	7	8	9.0	15.0	8.8	5	11	7.0	10.0	6.7	7	12	5.3	10	8	5.5	8.5	5.8	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	11.3	5	7	10.0	16.0	7.2	11	2	12.0	17.0	6.2	8	11	4.0	6.0	5.1	8	4.5	8.0	6.1	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	10.7	6	9	11.0	17.5	7.4	3	9	9.5	12.0	6.2	5	6	2.0	4.5	4.4	11	11	5.0	8.5	5.9	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	10.4	8	10	10.5	16.5	6.8	10	6	9.0	12.5	6.4	3	10	3.0	6.0	4.1	3	9	8.0	10.0	5.2	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	10.2	5	6	12.0	16.5	6.9	11	7	11.0	15.0	6.2	7	4	2.5	4.5	3.9	5	4	10.0	12.5	4.0	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	10.0	4	7	11.5	17.0	7.0	14	8	8.0	13.5	6.3	5	6	3.0	5.5	4.0	4	10	5.5	9.5	2.5	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	9.6	8	6	7.5	12.5	6.9	16	7	9.0	15.0	6.2	6	4	2.5	6.0	3.7	6	7	7.0	10.0	2.7	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	9.6	8	5	6.5	9.5	6.6	11	4	11.0	15.5	6.2	5	6	3.0	4.5	4.1	5	9	9.0	12.0	2.9	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	9.6	13	4	9.0	12.0	7.1	3	7	6.0	8.0	6.3	6	8	4.0	6.0	4.2	4	10	7.5	9.5	3.7	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	19.0	9.8	9	6	6.0	8.5	7.8	12	12				6.6	9	4	4.0	8.0	4.3	6	4	6.0	8.5	4.1	7	5	2.0	5.0	41	2.0	7	3.0	6.5	26	4	2	2.0	3.0
16	146	4	8	7.0	11.0	10.4	11	7	7.0	10.5	7.4	12	8	8.5	12.0	7.0	10	7	4.5	8.0	4.9	4	4	4.0	6.0	4.7	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	11.0	7	6	5.5	8.5	7.4	16	7	8.5	10.5	7.0	6	5	5.0	11.5	5.3	4	7	3.5	6.0	4.7	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	11.2	9	9	6.0	10.0	7.6	10	6	4	3.5	6.5	5.7	2	13	3.0	5.5	4.7	4	4	3.0	5.0	4.7	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	11.2	10	6	6.0	9.5	8.0	6	9	7.0	11.5	7.2	6	4	4.0	8.0	5.7	6	2	3.5	5.5	4.7	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	11.4	7	7	6.0	10.0	8.0	11	9	7.0	10.0	7.2	10	6	4.0	8.0	5.7	6	6	4.0	6.5	4.9	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	11.2	8	7	6.0	10.5	8.0	12	7	6.5	10.0	7.4	5	10	4.0	7.5	5.7	5	4	4.0	6.0	4.7	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	11.4	5	8	7.0	11.5	8.0	9	5	6.0	10.0	6.9	6	6	4.0	7.5	5.7	3	8	3.5	6.0	4.7	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	11.6	7	8	6.5	11.0	8.4	9	9	6.5	11.0	6.8	10	4	4.5	8.0	5.6	3	5	5.0	8.0	4.7	4	6	4.0	6.5	32	2	5	2.5	4.5	28	1	2	2.0	3.5	

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden Lat. 59.5N Long. 17.3E

Month March 1963

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	.013								.160								.495								2.5								5								10								20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Fam				Ldm				Fom				Dg				Vdm				Ldm				Fam				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fam				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm				Fom				Du				Dg				Vdm				Ldm							

F_{am} = median value of effective antenna noise in db above k1b
D_g = ratio of upper decile to median in db
V_{dm} = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden

Lat. 59.5 N Long. 17.3 E

Month April

1963

Hour (LST)	Frequency (Mc)																																			
	.013				.051				.160				.495				2.5				5				10				20							
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	
00	150	2	1	85	140	119	2	4	7.0	125	97	5	7	6.0	100	74	18	4	6.5	105	53	6	4	3.5	65	37	8	4	3.5	50	19	2	2	1.0	3.0	
01	150	2	1	70	125	117	4	2	6.5	120	98	4	4			74	21	6	2.0	40	60	4	5	4.5	105	53	5	4	3.0	60	35	19	2	2	1.0	3.0
02	150	2	1	85	150	117	4	2	7.0	135	94	8	2	4.5	100	72	12	5	4.0	75	59	5	2	4	3.5	34	6	3	2.0	40	19	2	2	1.0	3.0	
03	150	2	2	9.5	155	115	4	4	8.0	135	100	6	10	6.0	115	62	18	6	2.5	50	56	6	2	4	4.0	33	6	2	1.5	35	19	2	2	1.0	2.5	
04	150	2	3	10.0	170	111	5	3	8.5	145	86	14	14	2.5	55	58	8	8	4.0	65	60	4	4	2	3.5	37	6	4	3.5	6.0	19	2	2	1.5	3.0	
05	146	4	2	10.5	170	103	10	2	7.5	150	80	2	4	2.0	50	56	4	4	7.0	35	50	47	6	6	3.5	39	10	4	7.0	3.0	19	2	2	1.0	3.0	
06	146	1	4	11.5	175	99	6	3	9.0	140	82	6	6	3.5	60	54	4	2	2.5	40	45	4	6	4	5.0	40	9	5	2.5	5.0	19	2	2	1.5	3.0	
07	144	3	3	10.5	170	95	5	4	8.5	135	85	5	5	3.5	75	52	6	4	3.0	55	40	37	6	2	7.5	39	9	2	6.0	7.0	19	2	2	1.5	3.0	
08	144	2	2	11.0	170	95	4	4	8.5	120	86	2	7	4.5	70	52	5	2	7.5	4.0	38	33	8	3	2.5	5.0	41	6	2	2.5	5.0	19	2	2	2.0	3.0
09	144	3	2	9.5	150	99			7.0	160	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	150	104			7.0	150	82	6	6			50	6	2	2.5	5.0	34	40	8	4	2.0	44	11	9	10.5	18.0	19	3	2	7.5	3.0	
11	146	4	2	8.5	140	102			7.5	140	85	3	5	4.0	75	50	7	2	2.0	5.0	34	31					47	4	8			19			7.0	3.0
12	148	6	2	7.5	125	109			12.0	190	88	0	6	4.0	75	51	6	3	3.0	6.0	36	31			10.5	43	8	8			20	2	1	2.0	4.0	
13	149	6	3	7.5	125	117	4	10	11.5	165	84	12	8	5.0	75	52	4	3	3.5	6.0	33	35			4.0	46	6	7			21	3	4	2.0	4.5	
14	152	4	4	7.5	125	108	16	9	11.0	165	86	10	6	4.0	70	52	7	3	3.5	6.0	38	35	9	5	5.0	47	6	3			21	4	2	2.0	4.0	
15	150	6	2	7.0	120	105	22	9	12.5	185	84	14	8	5.5	110	54	6	4	2.5	5.0	40	39	10	6	6.0	47	4	2			19	4	2	2.0	3.5	
16	150	6	4	7.0	115	105	23	8	13.5	200	88	10	12	7.0	125	54	6	4	2.0	4.5	44	47	8	10	6.0	53	6	6			20	5	3	2.0	4.0	
17	148	7	2	6.5	105	111	16	4	13.0	190	86	10	4	3.0	60	60	17	4	7.0	3.0	50	49	6	4	3.0	47	8	2			19	4	2	1.5	3.5	
18	148	6	2	6.0	105	115	9	5	11.0	160	90	8	2	4.0	75	68	6	7	7.0	3.5	55	55	6	4	6.5	47	12	4			19	4	2	1.5	3.5	
19	148	4	2	5.5	105	116	7	1	8.0	120	96	4	4	2.5	65	76	5	4	7.5	3.5	62	57	4	5	3.5	47	14	4			19	4	2	1.0	3.0	
20	148	4	0	4.5	85	119	4	4	6.0	110	99	5	5	2.5	65	77	13	8	3.0	5.0	60	57	6	4	2.5	45	5	4	3.5		19	2	2	2.0	3.5	
21	150	2	2	6.0	110	119	3	3	6.0	110	98	8	6	2.5	70	80	10	6	7.0	2.5	64	57	4	4	3.5	42	3	5			19	2	2	1.0	3.0	
22	150	2	2	6.0	110	119	4	4	5.0	90	99	8	7	3.5	75	74	19	2	7.0	2.5	62	55	4	2	3.0	39	4	2			19	2	2	1.0	3.0	
23	150	2	2	7.0	115	119	4	4	6.5	120	98	4	8	4.5	80	74	16	4	7.5	2.5	62	56	4	5	3.0	37	6	2			19	2	2	1.0	3.0	

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

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station; Enköping, Sweden

Lat. 59.5 N Long. 17.3 E

1963

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

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

D_u = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

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

F ₀₁ (LSI)	Frequency (Mc)																							
	.135				.500				2.5				5				10				20			
	F _{om}	D _u	D _l	V _{dm}	F _{om}	D _u	D _l	V _{dm}	F _{om}	D _u	D _l	V _{dm}	F _{om}	D _u	D _l	V _{dm}	F _{om}	D _u	D _l	V _{dm}	F _{om}	D _u	D _l	V _{dm}
	L _{dm}				L _{dm}				L _{dm}				L _{dm}				L _{dm}				L _{dm}			
00	109	7	9		89	10	8		71	8	13		57	10	3		33	4	2		24	0	1	
01	105	11	6		89	10	8		71	7	12		57	9	4		33	2	1		24	0	1	
02	105	11	8		86	14	5		71	8	13		57	10	6		33	3	1		24	1	1	
03	105	10	8		87	11	7		71	7	12		57	10	6		33	2	1		24	1	1	
04	102	14	8		84	10	8		67	11	9		56	10	6		35	2	1		24	1	1	
05	100	14	7		79	16	8		67	10	9		55	9	5		35	2	2		24	1	1	
06	94	13	5		63	14	5		59	10	6		55	6	4		36	4	1		24	1	1	
07	89	17	5		58	8	4		48	14	6		49	7	4		38	5	2		24	1	1	
08	88	13	5		53	8	4		38	10	5		40	10	3		38	6	2		27	1	1	
09	89	10	6		54	7	3		35	5	4		37	9	3		37	5	3		27	1	1	
10	91	7	8		54	5	4		32	3	4		34	6	4		36	4	2		27	1	1	
11	91	8	8		55	5	3		31	3	2		31	7	2		36	4	2		27	1	1	
12	92	4	7		58	5	4		31	6	2		30	8	2		36	3	3		23	3	1	
13	91	9	6		57	6	3		31	6	1		31	9	3		36	5	2		24	1	2	
14	91	7	6		57	6	2		32	3	2		33	6	3		37	4	2		24	1	2	
15	90	8	5		57	6	3		33	4	1		36	5	4		39	4	3		24	1	2	
16	93	5	8		59	6	3		39	4	3		41	8	3		42	9	4		24	1	2	
17	93	7	7		60	5	3		45	8	4		50	6	4		44	11	4		24	2	2	
18	96	10	10		67	14	5		58	7	5		55	9	4		44	14	4		24	2	2	
19	101	12	10		79	11	7		63	12	6		58	9	5		40	4	3		24	2	2	
20	107	10	7		87	10	11		69	11	8		62	8	7		38	4	3		23	1	1	
21	109	10	7		87	13	7		69	10	6		61	8	6		37	2	4		23	1	1	
22	110	7	8		91	10	9		71	6	8		63	4	9		35	3	3		23	1	1	
23	112	6	11		90	12	8		73	6	14		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_{am} = median deviation of average voltage in db below mean power
 V_{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				10			
	F _{om}	D _u	V _{dm}	L _{dm}	F _{om}	D _u	V _{dm}	L _{dm}	F _{om}	D _u	V _{dm}	L _{dm}
00	90	8	7		73	6	8		39	3	3	
01	88	8	6		73	6	8		39	2	4	
02	88	8	7		73	5	8		37	5	2	
03	88	8	9		72	7	8		37	4	3	
04	84	9	11		70	6	7		37	3	3	
05	65	5	6		57	6	8		38	3	3	
06	60	9	5		47	10	5		39	2	3	
07	59	13	5		42	10	5		39	2	2	
08	61	7	5		36	8	3		38	5	1	
09	63	13	7		36	8	6		38	4	2	
10	62	9	5		36	7	8		36	4	1	
11	62	8	4		35	8	6		36	3	2	
12	66	10	5		39	10	7		36	3	2	
13	68	8	5		40	8	6		37	2	2	
14	69	12	5		42	8	7		37	4	2	
15	69	19	7		40	12	4		39	3	2	
16	66	24	7		43	15	6		40	2	3	
17	66	24	7		47	18	6		42	2	3	
18	66	22	6		53	19	7		44	3	3	
19	72	20	8		67	13	11		46	4	3	
20	84	10	11		73	6	10		47	4	3	
21	88	11	12		74	5	9		46	5	3	
22	89	8	7		74	5	8		41	6	1	
23	89	9	8		74	5	9		39	7	2	

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)											
	.051				.113				.246			
	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}
00	139	4	6	7.0	127	7	9	6.0	115	4	15	6.0
01	139	4	5	7.0	125	6	15	5.0	113	5	12	6.0
02	137	6	6	7.0	123	4	9	6.0	111	6	6	6.0
03	137	6	8	7.0	123	10	16	7.5	109	9	19	7.0
04	137	6	15	9.5	121	10	9	8.5	105	11	8	8.5
05	132	12	10	11.0	119	10	16	10.0	105	14	8.5	10.0
06	127	14	8	11.0	113	16	26	12.0	93	16	17	16.5
07	124	20	13	11.0	111	20	19	12.0	90	20	21	14.0
08	134	11	16	13.0	109	22	12	16.0	87	24	17	13.0
09	137	6	22	15.0	113	16	12	12.5	93	14	18	11.5
10	133	10	16	11.5	113	17	23	13.5	95	16	23	16.5
11	130	13	7	10.0	117	12	20	12.0	101	14	24	17.0
12	137	10	12	9.0	107		9.5	15.0	97	18	24	13.0
13	135	13	10	9.5	119	16	11	13.0	99	24	20	13.0
14	141	10	10	11.0	127	12	20	12.5	103	18	19	13.0
15	139	11	7	9.5	121	14	14	10.5	105	18	23	10.0
16	138	12	13	11.0	125	11	9	9.0	107	16	18	10.0
17	137	13	6	8.0	121	14	13	9.0	109	12	12	10.0
18	140	9	9	9.0	125	8	8	7.0	100	12	14	7.0
19	140	9	5	5.5	127	9	9	5.0	111	7	14	4.0
20	141	5	7	7.0	128	8	7	6.0	112	7	9	5.0
21	139	10	4	6.0	127	9	14	6.0	114	7	7	5.0
22	141	6	8	8.0	125	6	18	6.5	114	7	7	5.0
23	139	6	6	6.0	127	5	9	6.0	115	4	14	5.0

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

D_g = ratio of upper decile to median in db

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

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria

Lat. 7.4 N Long. 3.9 E

Month July

1961

Hour (LST)		Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		.051						.113						.246						.545						2.5						5						10						20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{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	137	3	3			125	4	9	111	4	10	95	4	10	69	5	5	60	1	5		39	5	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	Frequency (Mc)																																		
	.051						.113																												
	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}					
00	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	*					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				*																													
12	*	125				100																													
13	127	4	0			102	8	7																											
14	129	4	2			108	4	6																											
15	130	6	3			110	7	7																											
16	131	6	5			111	10	6																											
17	129	8	4			112	9	6																											
18	133	6	7			111	10	9																											
19	137	3	6			115	8	4																											
20	135	5	3			124	3	6																											
21	136	2	3			122	4	5																											
22	135	4	3			122	5	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_g = ratio of median to lower decile in db

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

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

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

F_{qm} = 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

σ_{dBm} = median deviation of average voltage in db below mean power
 σ_{dBm} = 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

Frequency (Mc)

Hour (LST)																				
	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						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 November 19 61

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

Hour (EST)	Frequency (Mc)																																								
	.051					.113					.246					.545					2.5					5					10					20					
	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{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	141	4	10			116	8	10			104	7	10			89	8	16				64	6	16				53	6	6			39	4	14			24			
01	141	6	8			118	8	8			102	12	10			89	9	14				66						55	4	6			39	5	10			26	0	2	
02	141	10	8			118	10	8			103	11	9			89	6	12				54						55	6	9			33	9	8			26			
03	143	7	8			116	8	8			101	13	9			89	8	14				62						51	7	3			33	8	8			26			
04	144	5	10			116	8	6			102	12	8			88	5	13				66						53	5	7			32	9	5			26	8	2	
05	143	6	9			116	10	8			98	12	10			17	14	20				66						51	10	7			37	12	6			26			
06	137	10	15			110	14	24			90	18	20			69	24	9				57						55	8	13			41	2	10			26			
07	137	12	14			110	16	18			92	12	21			73	23	19				49	10	18				49	6	18			39	8	13			28	8	2	
08	135	12	19			112	12	20			90	16	16			78						46	10	22				45	5	13			34	11	11			28			
09	137	10	17			109	14	24			88	18	20			71	22	16				40	12	13				41	6	12			33	6	11			30			
10	139	8	18			106	17	12			86	18	14			75	17	21				43	7	18				37	8	12			31	9	11			26	10	4	
11	131	8	8			103	23	15			85	19	17			69	22	14				41	11	9				39	6	13			29	12	6			26			
12	132	15	12			102	24	14			80	25	10			77						38						34	9	9			27	7	2			27			
13	139	9	16			108	16	12			86	18	16			67	18	10				42	6	10				37	7	6			33	3	8			26	4	2	
14	135	14	13			107	19	19			88	18	16			76	12	17				42	8	10				33	14	4			35	7	8			26	2	2	
15	135	12	10			108	16	17			86	17	14			71	16	14				42	14	6				39	13	8			39	7	5			26	8	2	
16	133	14	12			108	14	16			85	20	13			68	19	12				44	15	8				44	13	14			41	6	2			26	4	5	
17	135	12	16			106	16	16			90	16	12			83	11	12				53	12	9				59	2	6			43	4	13			26	3	2	
18	137	12	12			112	14	12			98	12	10			85	13	11				56	16	2				63	4	7			42	3	15			24	2	2	
19	141	8	15			114	12	12			98	16	13			85	14	14				60						64	3	28			41	7	14			24	5	1	
20	141	9	13			112	12	9			100	10	12			89	7	17				60						67	4	17			41	8	10			26	4	2	
21	141	5	14			114	8	14			100	10	14			87	8	12				62	8	6				57	9	10			43	2	12			26	2	3	
22	141	3	13			116	6	14			101	7	9			87	10	8				62						57	2	10			41	7	13			24	2	2	
23	139	6	8			116	7	10			103	9	10			87	8	9				62	9	13				57	2	12			41	6	13			24	2	0	

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

1962

Frequency (Mc)																																															
.051						.113						.246						.545						2.5						5						10						20					
F _{om}	D _u	D ₂	V _{dm}	L _{dm}		F _{om}	D _u	D ₂	V _{dm}	L _{dm}	F _{om}	D _u	D ₂	V _{dm}	L _{dm}	F _{om}	D _u	D ₂	V _{dm}	L _{dm}	F _{om}	D _u	D ₂	V _{dm}	L _{dm}	F _{om}	D _u	D ₂	V _{dm}	L _{dm}	F _{om}	D _u	D ₂	V _{dm}	L _{dm}	F _{om}	D _u	D ₂	V _{dm}	L _{dm}							
00	140	2	8				112				96						70					62						48						26													
01	138	4	6				114				94						74					64						46						25													
02	138	6	6				110				94						71					65						44						26													
03	138	4	8				110				95						74					62						43						27													
04	136	8	6				110				94						69					59						40						26													
05	134						106				85						70					60						44						33													
06	130						98				79						64					60						46						33													
07	128						96				72						52					51						40						30													
08	130						96				71						42					46						36						32													
09	132	8	12				96				72						42					41						38						30													
10	130	6	12				95				74						39					39						34						32													
11	129						94				71						41					37						36						26													
12	129						96				73						40					40						34						28													
13	132						97				79						47					42						34						28													
14	138						100				90						60					54						42						30													
15	142						116				93						68					58						48						32													
16	144						119				99						74					64						52						38													
17	145						120				103						80					68						52						35													
18	144						120				104						78					70						50						30													
19	143						118				109						76					68						50						30													
20	144						121				106						74					67						48						32													
21	141						115				99						75					66						46						29													
22	140						114				99						73					64						46						28													
23	140						115				97						71					62						46						26													

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

 $D_{0.9} = \text{ratio of upper decile to median in dB}$ $D\phi$ = ratio of median to lower decile in db V_{1-3} = median deviation of average voltage in db below mean power

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kakaha, Hawaii Lat. 22.0N Long. 159.7W Month March 1963

Hour (LST)	Frequency (Mc)											
	.013				.051				.160			
	Fom	Du	D _f	Vdm	Ldm	Fom	Du	D _f	Vdm	Ldm	Fom	Du
00	157	9	4	9.5	11.5	136	7	6	10.0	16.0	119	10
01	157	9	4	10.0	17.5	136	9	6	10.5	17.0	119	9
02	157	8	4	11.0	18.0	136	9	4	9.5	16.0	117	10
03	157	8	4	11.5	19.0	136	8	4	9.0	18.0	117	9
04	157	7	4	10.5	18.0	136	8	4	10.5	19.0	117	4
05	157	8	4	10.5	17.0	136	8	5	10.0	18.0	115	8
06	157	10	4	10.0	17.0	134	10	6	10.0	17.5	111	9
07	157	5	3	10.5	18.0	126	10	6	11.5	17.5	103	16
08	155	7	4	11.0	18.0	124	12	12	12.0	21.0	102	18
09	155	6	4	11.5	18.5	126	15	11	14.5	20.0	102	19
10	153	8	3	11.0	18.0	124	12	17	14.5	25.0	101	17
11	153	7	4	12.0	19.0	124	11	16	14.5	22.5	99	18
12	153	10	5	11.0	18.0	122	14	19	14.0	23.5	101	16
13	154	7	5	13.0	20.5	123	16	15	14.5	24.0	102	15
14	153	8	5	12.0	21.0	123	12	19	13.0	23.5	101	17
15	153	8	5	13.0	21.5	122	13	20	14.0	23.0	103	16
16	153	9	5	13.5	22.5	121	12	20	15.0	24.0	101	16
17	157	10	4	13.0	22.5	122	12	24	12.0	22.0	99	18
18	157	9	4	12.0	20.0	122	15	21	12.0	19.0	99	22
19	157	10	4	11.5	19.5	124	16	15	10.0	19.0	109	15
20	153	10	4	11.5	19.5	122	12	15	10.5	17.5	113	12
21	155	8	4	10.0	16.0	132	12	14	13.0	21.0	117	10
22	157	7	4	10.0	16.0	132	12	9	11.0	20.0	117	11
23	157	4	5	10.0	16.5	134	7	7	11.0	17.0	119	11

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

Du = ratio of upper decile to median in db

D_f = 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 Kekaha, Hawaii

Lat. 22.0 N Long. 159.7 W

Month April

1963

Hour (EST)	Frequency (Mc)											
	.013				.051				.160			
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du
00	153	4	2	9.5	14.5	129	5	3	11.0	18.0	107	7
01	153	4	2	9.0	14.0	130	5	2	10.0	16.0	109	6
02	153	4	2	8.0	14.0	132	3	4	10.5	16.0	109	7
03	153	4	2	10.0	15.0	132	4	3	11.0	17.0	109	5
04	154	3	3	10.0	16.0	132	4	3	11.5	18.5	109	6
05	155	4	2	11.0	17.0	132	4	4	11.5	18.0	107	7
06	155	3	2	11.0	17.5	128	5	4	12.0	18.5	95	10
07	153	4	2	11.0	17.5	119	3	3	10.0	16.5	77	16
08	153	3	4	10.5	17.5	110	9	4	10.5	16.5	79	18
09	151	4	2	12.0	18.0	111	7	7	12.5	19.0	83	11
10	151	4	2	12.0	18.5	112	6	6	13.5	20.5	83	8
11	152	3	3	12.5	19.5	116	4	11	14.0	20.0	81	10
12	151	4	2	12.5	19.0	114	7	8	16.5	21.5	80	7
13	151	4	2	13.0	20.0	114	7	10	13.0	19.0	81	10
14	151	3	4	13.0	20.0	113	5	7	12.5	20.0	81	8
15	151	4	4	13.5	21.0	112	9	6	13.5	21.0	79	10
16	150	3	5	13.0	21.0	112	10	6	14.0	20.0	81	12
17	149	4	2	15.0	22.0	110	9	7	14.0	18.0	77	21
18	149	5	3	12.5	20.5	106	12	3	10.0	15.5	83	12
19	149	4	3	12.5	19.5	114	8	6	9.5	14.5	93	10
20	151	3	4	11.5	17.5	120	10	5	10.5	17.0	99	11
21	151	6	2	12.0	18.5	122	10	5	11.0	18.0	103	9
22	153	2	4	10.0	15.5	126	6	6	12.5	19.0	105	9
23	153	4	3	8.5	14.0	128	6	4	12.0	20.0	107	6

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

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii

Lat. 22.0 N Long. 159.7 W

Month May 19 63

Hour	Frequency (Mc)											
	.013				.051				.160			
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}
	.495											
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}
	D _u	D _g	V _{dm}	L _{dm}	D _u	D _g	V _{dm}	L _{dm}	D _u	D _g	V _{dm}	L _{dm}
	5											
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}
	D _u	D _g	V _{dm}	L _{dm}	D _u	D _g	V _{dm}	L _{dm}	D _u	D _g	V _{dm}	L _{dm}
	10											
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}
	D _u	D _g	V _{dm}	L _{dm}	D _u	D _g	V _{dm}	L _{dm}	D _u	D _g	V _{dm}	L _{dm}
	20											
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}
	D _u	D _g	V _{dm}	L _{dm}	D _u	D _g	V _{dm}	L _{dm}	D _u	D _g	V _{dm}	L _{dm}
00	155	0	4	7.5	12.5	12.6	4	4	10.0	14.5	99	8
01	155	2	2	6.5	11.0	12.6	4	2	8.5	13.0	101	6
02	155	2	2	7.5	12.0	12.6	6	2	9.0	13.5	101	8
03	155	2	4	8.0	13.0	12.8	6	6	9.5	14.0	99	10
04	155	1	4	8.0	13.0	12.8	6	4	9.5	14.0	101	9
05	155	3	4	8.0	12.5	12.8	6	4	9.5	14.5	101	6
06	155	2	3	9.0	15.0	12.0	6	2	10.0	15.0	79	20
07	151	4	2	10.0	14.5	11.3	9	3	10.0	15.0	69	31
08	149	4	2	10.0	15.0	10.4	4	2	9.5	14.0	65	16
09	149	4	2	11.0	16.0	10.4	16	4	11.0	14.0	65	18
10	149	4	2	11.0	16.0	10.4	14	2	9.5	14.0	65	16
11	149	5	3	10.5	16.5	10.8	11	6	9.5	14.0	65	17
12	149	4	2	10.0	15.5	10.8	4	4	10.5	15.5	65	10
13	149	4	2	10.5	16.0	10.8	8	2	11.5	15.5	65	8
14	149	4	2	11.0	16.0	10.8	6	4	10.0	15.0	65	3
15	149	2	4	10.5	16.5	10.5	5	3	12.0	16.5	65	4
16	147	4	2	11.5	17.5	10.4	12	4	12.5	15.5	63	6
17	147	2	2	12.0	18.0	10.2	7	6	9.0	12.0	63	15
18	147	2	2	11.5	17.0	10.2	7	4	7.0	11.5	67	10
19	147	2	2	9.5	15.0	11.2	2	4	7.0	11.0	87	10
20	149	0	2	8.0	13.0	11.8	4	2	9.0	14.0	95	4
21	149	4	2	7.0	11.5	11.8	4	2	8.0	12.5	95	4
22	157	4	2	6.5	10.5	12.2	2	2	10.0	15.5	97	6
23	153	2	2	7.0	10.5	12.4	2	2	9.5	14.0	97	6

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

D_g = ratio of upper decile to median in db

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

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India

Lat. 28.8 N Long. 77.3 E

Month March 19 63

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

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

D_f = ratio of upper decile to median in db

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

L_{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)	Frequency (Mc)																																							
	.013				.051				.160				.495				2.5				5				10				20											
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm					
00	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	12.0	99					73			8.5	10.0	49								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	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		2	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	57	4	6	5.5	7.0	26	6	2	3.5	4.0
21	158	4	2	7.5	9.0	139	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_{om} = median value of effective antenna noise in db above ktb
D_g = ratio of upper decile to median in db
V_{dm} = ratio of median to lower decile in db
V_{dm} = median deviation of overage voltage in db below mean power
L_{dm} = median deviation of overage logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan

Lat. 35.6N

Long. 140.5E

Month March

19 63

Hour (LST)	Frequency (Mc)																																								
	.013					.051					.160					.495					2.5					5					10					20					
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	
	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00	150	4	2	6.5	115	127	3	2	9.0	140	110	4	6	7.0	120	86	6	2	6.5	110	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	151	2	3	7.5	130	128	3	2	9.0	145	110	2	4	7.5	130	86	4	2	6.5	105	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	151	4	4	8.0	125	127	5	0	8.5	140	108	6	3	7.0	120	86	2	2	5.5	105	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	151	3	4	8.0	130	128	3	2	9.5	155	106	7	2	7.0	115	84	4	4	6.0	105	57	6	6	7.0	115	74	7	7	7.0	120	36	4	3	4.0	6.0	23	0	0	1.0	2.5	
04	151	2	3	9.0	130	128	4	5	8.0	140	104	8	3	6.0	115	82	5	4	7.0	120	55	7	4	5.0	11.0	70	4	6	6.5	105	32	2	2	3.0	5.0	23	0	0	1.0	2.5	
05	151	4	2	9.0	140	127	4	4	10.0	16.0	98	8	4	7.5	130	72	9	7	6.0	105	55	6	4	5.0	8.5	72	4	7	8.0	130	32	4	2	2.5	4.5	23	0	0	1.0	2.5	
06	150	3	3	7.5	130	116	4	4	7.0	110	86	12	6	5.5	85	60	9	8	5.0	80	49	9	3	5.5	9.0	60	8	8	6.0	110	38	2	3	3.0	5.5	23	0	0	1.0	3.0	
07	149	3	5	7.0	110	109	11	4	6.0	9.0	78	8	4	3.0	6.0	60	9	8	4.0	55	42	9	3	6.5	8.5	49	7	8	7.0	100	33	4	3	3.0	5.0	23	2	0	2.5	4.0	
08	149	2	5	8.0	125	105	10	5	7.0	100	78	12	6	10.0	145	58	11	3	3.0	5.0	40	5	3	7.5	115	40	7	4	7.0	100	33	4	3	3.5	5.5	23	2	0	2.5	4.0	
09	149	4	4	9.5	140	107	9	8	6.5	9.0	77	7	5	3.0	5.0	60					39	3	2	6.5	105	38	6	2	8.0	105	30	6	2	3.0	4.5	23	2	0			
10	148			105	150	110			14.0	17.5	79	11	7	8.5	105	60	11	5	3.0	5.0	39			5.0	7.5	34					30	2	4			23	4	0	1.5	3.0	
11	149	4	3	11.5	16.0	111	14	4	9.5	140	74	14	4	8.0	120	60	13	4	7.5	40	39	3	2	8.0	120	36	9	6	7.0	135	28	8	4	2.0	4.5	23	2	0	3.0	5.0	
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	39	2	2	8.5	120	32	5	2	6.5	9.0	26	8	2	3.0	4.5	23	2	0	3.0	5.0	
13	149	2	4	10.0	145	111	10	4	7.0	105	78	11	3	2.0	4.0	60	11	2	6.5	8.5	39	4	2	8.0	110	36	5	4	6.0	8.0	30	4	2	4.5	6.5	23	2	0	2.5	4.0	
14	149	3	4	10.0	135	111	8	4	5.5	8.5	78	11	4	3.0	5.0	60	11	4	6.0	9.0	39	4	2	7.0	100	36	7	2	6.5	100	32	4	2	2.5	5.0	23	2	0	2.5	4.5	
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	39	3	2	8.0	110	40	7	4	3.0	4.5	36	5	2	4.5	7.5	25	2	2	3.0	5.0	
16	151	2	3	7.0	120	111	5	4	5.5	8.0	80	13	5	3.5	5.5	60	15	4	5.0	7.5	39	8	1	7.5	105	54	5	7			40	8	4	5.0	7.5	25	3	1	2.5	2.5	
17	151	2	4	7.0	120	109	11	4	4.5	7.0	88	12	8	4.0	10.0	74	12	9	5.0	9.0	45	5	4	5.5	9.0	66	5	6	8.0	130	42	6	4	5.0	8.0	25	4	2	3.0	5.0	
18	151	2	4	6.0	100	117	10	8	5.5	8.5	94	12	5	5.5	9.0	80	8	6	6.5	115	49	12	4	5.5	9.0	72	6	8	7.5	125	42	4	4	4.0	7.0	23	4	2	2.0	4.0	
19	151	3	3	8.0	125	123	6	4	8.0	120	100	8	4	6.0	100	82	7	2	5.5	110	53	7	4	6.5	100	72	5	4			41	6	4	4.5	7.0	23	2	2	2.0	4.0	
20	151	3	2	7.0	120	125	4	2	6.5	115	102	10	2	8.0	130	86	9	4	6.0	110	55	12	4	5.0	8.0	71	8	4	7.0	115	40	6	5			23	0	2	1.0	3.0	
21	151	2	3	8.0	120	127	2	4	7.0	125	106	4	5	7.0	105	86	7	4	7.5	125	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	151	4	2	8.0	120	127	6	3	8.0	135	108	5	4	7.0	130	88	4	4	7.0	115	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	151	2	3	8.0	135	127	5	2	8.0	145	108	4	4	7.5	125	86	5	6	6.0	110	58	6	3	5.0	8.0	56	3	4	6.0	90	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_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan

Lat. 35.6N Long. 140.5E

Month April 1963

Hour (EST)	Frequency (Mc)											
	.013				.051				.160			
	F _{av}	D _g	V _{dm}	L _{dm}	F _{av}	D _g	V _{dm}	L _{dm}	F _{av}	D _g	V _{dm}	L _{dm}
00	153	3	4	7.0	129	2	4	9.0	106	6	4	7.0
01	152	5	5	8.0	129	3	4	10.0	106	4	3	7.0
02	151	6	4	8.0	129	3	3	9.0	106	6	4	8.0
03	151	4	4	9.0	129	4	4	8.5	106	5	4	7.0
04	153	5	6	9.0	127	6	2	11.0	104	6	5	8.0
05	151	4	3	10.0	123	1	4	9.5	92	6	8	9.0
06	149	4	3	7.5	117	16	6	8.0	83	9	6	7.0
07	149	2	2	9.5	111	10	6	12.5	80	8	7	10.0
08	151	2	8	11.0	113	8	8	10.5	80	15	8	8.5
09	149	2	4	9.5	115	4	9	12.0	80	15	8	8.5
10	150			11.0	116			12.0	80	12	5	6.5
11	149	2	3	9.0	115	4	8	13.5	74	10	4	4.5
12	149	4	6	9.0	113	8	4	8.5	78	9	4	2.5
13	149	4	4	9.0	115	6	6	8.5	76	9	4	2.0
14	151	2	5	10.0	115	4	8	10.0	78	9	6	4.0
15	151	2	3	9.5	115	6	6	10.0	76	13	4	5.0
16	153	2	5	8.0	115	5	8	7.5	78	16	8	7.5
17	151	4	3	8.0	113	7	8	9.0	82	11	7	6.5
18	151	2	4	7.0	115	8	5	8.0	92	8	4	8.5
19	151	5	2	6.5	123	4	4	10.0	100	7	6	9.5
20	153	3	4	7.0	127	2	6	9.0	102	7	4	7.5
21	153	3	5	7.0	127	5	4	8.5	104	6	5	6.0
22	153	2	5	7.0	129	3	6	8.0	104	7	4	7.5
23	151	6	1	7.0	127	4	4	9.0	106	6	4	7.0

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

D_g = ratio of upper decile to median in db

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

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan

Lat. 35.6N Long. 140.5E

Month May 1963

Frequency (Mc)																																															
.013						.051						.160						.495						2.5						5						10						20					
Fom	Du	Df	Vdm	Ldm		Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm							
00	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	7.5	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	12.0	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			*	*	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	7.0	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					4.4	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					4.4	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							

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

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																							
	.013				.051				.160				.495				2.5				5				10				20											
	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}				
	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}				
00	155	7	4		134	8	8		107	10	6				96	9	7				65							42						27						
01	157	5	6		134	7	7		107	11	6				94	12	6				67							43						19						
02	155	6	3		134	7	8		105	10	6				94	12	6				63							40						19						
03	155	6	4		132	8	8		107	10	8				96	7	9				65							42						19						
04	157	4	6		134	7	9		105	10	6				94	7	7				63							34						19						
05	155	6	4		130	8	7		101	12	6				88	9	4				63							34						19						
06	155	4	5		124	11	4		83	22	8				58	24	2				61							40						19						
07	153	4	5		122	12	10		81	26	20				60	19	4				57							39						19						
08	153	4	4		120	8	12		77						59						49							37						23						
09	155	4	8		122	12	8		85	24	18				60	19	2				48							34						23						
10	153	4	6		122	10	16		81	24	14				60	20	3				48							38						23						
11	153	4	6		122	14	10		81	30	16				60	24	4				48							32						23						
12	153	6	4		122	12	10		86	23	19				60	24	4				48							28						24						
13	155	6	6		128	13	13		89	22	20				62	38	6				48							32						26						
14	157	4	6		128	12	12		93	29	24				69	31	13				48							38						27						
15	161	4	7		129	15	11		100	21	31				66	38	10				72							46						25						
16	161	4	8		131	13	14		97	22	32				68	34	14				46							46						26						
17	160	4	6		130	14	14		97	24	25				84	22	18				54							48						26						
18	159	4	8		130	14	12		102	17	13				92	12	8				66							48						22						
19	159	7	6		132	11	10		107	15	8				96	14	8				77							46						21						
20	159	6	6		134	10	10		107	12	4				98	11	7				79							43						21						
21	157	8	4		134	9	8		108	13	5				96	12	4				78							42						21						
22	157	6	6		134	10	6		109	10	6				96	12	6				76							41						19						
23	157	6	6		134	8	6		109	10	8				98	8	8				74							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_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Time (LST)	Frequency (Mc)											
	.013			.051			.160			.495		
	F _m	D _g	V _{dm}	F _m	D _g	V _{dm}	F _m	D _g	V _{dm}	F _m	D _g	V _{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

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

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Month March 19 63

Hour (LST)	.013										.051										.160										.495										2.5										5										10										20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Fom					Df					Vdm					Ldm					Fom					Du					Df					Vdm					Ldm					Fom					Du					Df					Vdm					Ldm					Fom					Du					Df					Vdm					Ldm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm	Fom	Df	Vdm	Ldm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
00	164	4	2	85	145	143	5	4	85	150	123	3	4	90	145	98	4	5	90	120	68	5	6	55	100	65	3	5	50	90	54	6	8	60	115	28	4	2	45	20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaysia Lat. 1.3 N Long. 103.8 E Month April 19 63

Hour (LST)	Frequency (Mc)																																							
	.013				.051				.160				.495				2.5				5				10				20											
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}								
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	12.0	23.5	79	18	10	12.0	23.5	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	24.5	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	15.5	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	14	25	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	24.0	30	9	5	7.5	13.0	33	8	6	9.5	14.0	36	16	6	10.0	14.5	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	24.5	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	25.0	91	18	8	14.0	24.5	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	14	12.0	23.5	91	16	8	14.0	23.0	39	28	9	8.0	12.0	39	15	11	7.0	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	4	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 k1b

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	.013										.051										.160										.495										Frequency (Mc)										2.5										5										10										20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	F _{am}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{am}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}					D _f					V _{dm}					L _{dm}					F _{om}									

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (EST)	Frequency (Mc)															
	.013				.051				.160				.495			
	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	
	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	
00	152	8	4			131	8	11			113	7	12			
01	152	8	2			129	9	10			110	12	10			
02	152	11	3			130	12	9			110	14	9			
03	152	12	2			131	12	10			110	17	9			
04	152	13	2			131	14	5			108	19	7			
05	153	11	3			131	10	7			105	18	8			
06	152	10	2			127	14	9			94	18	6			
07	152	9	4			119	22	9			104	24	14			
08	150	10	4			127	17	12			*	110				
09	*					*					*	108				
10	150	12	6			*					*	102				
11	150	12	6			121	14	6			102	26	16			
12	150	10	4			121	24	5			102	28	16			
13	152	10	6			121	22	6			104	27	16			
14	152	11	4			123	18	10			104	26	14			
15	154	10	8			125	16	10			110	17	19			
16	152	11	5			121	22	8			105	21	17			
17	150	11	4			130	14	15			110	17	22			
18	150	11	6			129	14	14			107	18	17			
19	150	11	6			125	16	8			108	16	16			
20	150	11	4			127	14	6			110	14	15			
21	152	9	6			131	10	11			110	13	13			
22	151	8	4			132	9	10			108	16	10			
23	152	8	5			131	10	9			110	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_f = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W

Month April 19 63

Hour (LST)	.013					.051					.160					.495					Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
00	158	10	10			135	14	6			114	16	12			100	9	14																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (EST)	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}
00	162	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	154	9	10			133	20	12			109	26	20			87	40	18		
07	151	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_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_L = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Spring (Mar Apr May) 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 _{d_u}	L _{d_u}	F _{am}	D _u	D _l	V _{d_u}	L _{d_u}	F _{am}	D _u	D _l	V _{d_u}	L _{d_u}	F _{am}	D _u	D _l	V _{d_u}	L _{d_u}	F _{am}	D _u	D _l	V _{d_u}	L _{d_u}	F _{am}	D _u	D _l	V _{d_u}	L _{d_u}					
. 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	6	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

* * No April data for log and voltage.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Spring (Mar Apr May) 19 63

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}
.013	156	8	4	11.5	17.5	154	6	4	12.0	18.0	152	8	4	11.5	18.0	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) 1963

TIME BLOCKS (LST)

Frequency (Mc)	0000 - 0400					0400 - 0800					0800 - 1200					1200 - 1600					1600 - 2000					2000 - 2400				
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}
.013	159	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 ***) 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	7	5	11.0	155		157	3	6	9.0	145		153	6	6	10.5	165		157	4	6	8.0	135			161	2	9	6.5	105		157	8	6	7.0	11.0
.051	126	9	4	8.0	130		120	7	9	9.0	150		110	8	8	10.0	170		116	2	8	10.0	155			116	6	8	6.0	9.5		122	10	8	7.0	11.0
.160	100	10	6	5.0	85		74	26	14	5.0	8.0		66	12	6	9.0	14.0		64	8	4	6.5	95			68	15	6	4.5	8.0		94	13	10	4.0	7.0
.495	88	7	4	7.0	95		74	16	16	4.0	6.0		60	6	4	4.0	7.0		58	6	4	3.0	45			61	17	7	2.5	35		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	35	6.0
5	57	6	6	4.0	65		58	7	9	5.0	85		33	8	6	5.0	8.0		29	10	6	5.5	85			45	8	12	3.5	5.5		57	2	4	35	6.0
10	37	8	8	35	55		41	8	6	35	55		33	4	4	35	5.0		29	8	0	25	55			41	4	8	35	5.0		41	10	4	35	55
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

* * * 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)

Frequency (Mc)	0000 - 0400					0400 - 0800					0800 - 1200					1200 - 1600					1600 - 2000					2000 - 2400				
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}
.013	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

* * * * 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						
	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}		
Frequency (Mc)																																
.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						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						51			6.0	10.0	64				3.0	6.0	62			4.0	8.5
10	39			4.0	6.5	45			5.0	8.5	35						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						28			2.5	3.5	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_{d_m} = median deviation of average voltage in db below mean power

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

*** No April or May data

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eitanin 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	130	19.0	158	5	5	145	20.5	157	4	13	110	17.5	161	2	6	7.5	135	159	4	10	9.0	15.0										
.051	120	12	4	80	14.0	119	11	9	9.5	14.5	114	4	14	11.5	16.5	117	5	13	8.5	14.0	123	8	12	7.0	12.5										
.160	94	10	9	70	13.0	83	16	15	100	14.5	71	19	9	8.0	10.5	76	6	12	8.5	12.5	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										
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										
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										
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										
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										

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

RN-14

Station USNS Eltanin Lat. 40-50 S Long. 52.5-67.5 W Season Fall (Mar ***) 1963

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. 40-50 S Long. 37.5-52.5 W Season Fall (Mar Apr May) 19 63

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	
. 013	153	5	2	120	180		155	7	4	110	170		153	8	4	85	140		155	4	2	80	135		155	3	5	95	140		155	3	5	95	140	
. 051	130	8	8	80	135		129	6	6	90	155		118	14	7	85	135		120	13	6	65	120		126	12	6	70	125		132	3	8	85	135	
. 160	110	10	13	75	130		104	12	10	105	180		93	20	18	80	130		85	31	5	75	130		109	11	21	80	135		114	5	15	60	110	
. 495	97	6	7	65	120		89	11	26	70	125		68	22	10	60	110		61	40	5	45	90		94	17	23	100	180		101	5	9	60	110	
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 ***) 19 63

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	
.013	155			9.0	145	157			11.0	17.0	154			7.0	14.0		148			9.5	15.0	157			11.0	16.5					
.051	118			7.0	125	117			6.5	11.5	104						99			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			8.0	13.5					
.495	109			4.0	8.0	97			4.0	8.5	79			4.5	8.0		70					107			7.0	13.0					
2.5	77					76					50						39					74									
5	64					63					47						42					59									
10	39					40					46						41					43									
20	30					36					34						34					30									

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

* * * No March or May data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eitanin 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						
	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}		
.013	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_{d_m} = median deviation of average voltage in db below mean power

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

*** No March or May data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enköping, Sweden Lat. 59.5 N Long. 17.3 E Season Spring (Mar Apr May) 19 63

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}
.013	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
.25	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_{d_m} = median deviation of average voltage in db below mean power

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Spring (Mar Apr May) 1963

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	
.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.) 1961

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400							
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	*	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	*	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	*	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	*	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	*	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	*		
. 051	135	7	6	7.0	13.0		129	10	10	12.5	18.5		125	16	10	12.5	19.0	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	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	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	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	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	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	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	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

* 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						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}				
**																													
.051	134	6	6			128	6	14			122	8	12				136	6	8			136	6	10					
**																													
.113	121	8	8			113	10	18			107	12	16				123	10	12			123	8	10					
**																													
.246	105	8	10			95	12	24			79	24	12				107	10	16			107	8	10					
**																													
.545	88	10	6			78	12	16			74	14	18				90	10	8			92	6	8					
2.5	66	4	8			55	13	17			40	8	6				64	10	14			68	6	8					
5	59	2	8			53	10	8			37	10	8				63	5	10			61	8	7					
10	43	4	6			37	6	4			31	6	6				45	6	8			45	8	6					
20	26	4	4			28	8	4			30	6	4				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

* * 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 _{dtn}	L _{dtn}	F _{am}	D _u	D _ℓ	V _{dtn}	L _{dtn}	F _{am}	D _u	D _ℓ	V _{dtn}	L _{dtn}	F _{am}	D _u	D _ℓ	V _{dtn}	L _{dtn}	F _{am}	D _u	D _ℓ	V _{dtn}	L _{dtn}	F _{am}	D _u	D _ℓ	V _{dtn}	L _{dtn}																	
.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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Spring (Mar. ***) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
	F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}		F _{am}	D _u	D _l	V _{dm}	L _{dm}	
.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

*** 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)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	
.013	155	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	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	124	16	6	10.5	17.0						
.160	109	14	10	8.5	15.0	103	16	28	11.0	17.0	81	30	18	12.0	20.0	79	32	16	10.0	17.0	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	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	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	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	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	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)	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							
.013			157	4	4	8.5	11.0			155	4	4	8.5	10.5			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 _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}					
.013	153	6	4	100	130	151	6	4	90	135	151	4	4	105	145	151	4	4	95	140	153	6	4	75	120	153	6	4	75	120	153	6	4	75	120
.051	129	4	2	90	145	122	9	13	95	135	113	12	8	115	150	115	8	6	80	120	117	8	8	70	130	127	6	4	80	130	105	6	4	80	130
.160	108	4	4	70	125	92	14	14	75	125	80	14	10	90	140	80	12	6	50	75	90	14	12	65	120	106	6	4	70	120	105	6	4	70	120
.495	84	6	4	70	115	62	20	6	65	100	58	10	2	45	60	60	8	4	50	65	73	11	15	60	120	84	6	4	65	115	120	6	4	65	115
2.5	59	8	4	45	80	51	10	10	55	90	39	2	2	75	110	39	2	2	80	110	45	10	6	60	95	59	6	4	45	80	95	6	4	45	80
5	57	18	4	45	80	57	16	17	70	110	37	6	6	80	110	33	8	4	65	90	63	12	18	70	120	65	14	12	50	90	120	14	12	50	90
10	38	7	4	35	55	36	6	6	35	60	37	6	4	30	50	30	7	4	35	60	42	6	4	40	70	42	4	6	35	60	70	4	6	35	60
20	23	2	0	10	30	23	4	0	15	30	23	4	0	20	40	25	2	2	25	45	27	4	4	25	45	23	4	2	15	35	45	4	2	15	35

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) 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 _{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}	
.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)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400						
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		
.013	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		166	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

[illegible]

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

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

D_2 = ratio of median to lower decile in db

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

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







