NBS

Technical Note No. 18-19

QUARTERLY RADIO NOISE DATA
JUNE, JULY, AUGUST, 1963

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

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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

NATIONAL BUREAU OF STANDARDS

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Central Radio Propagation Laboratory
National Bureau of Standards
Boulder, Colorado

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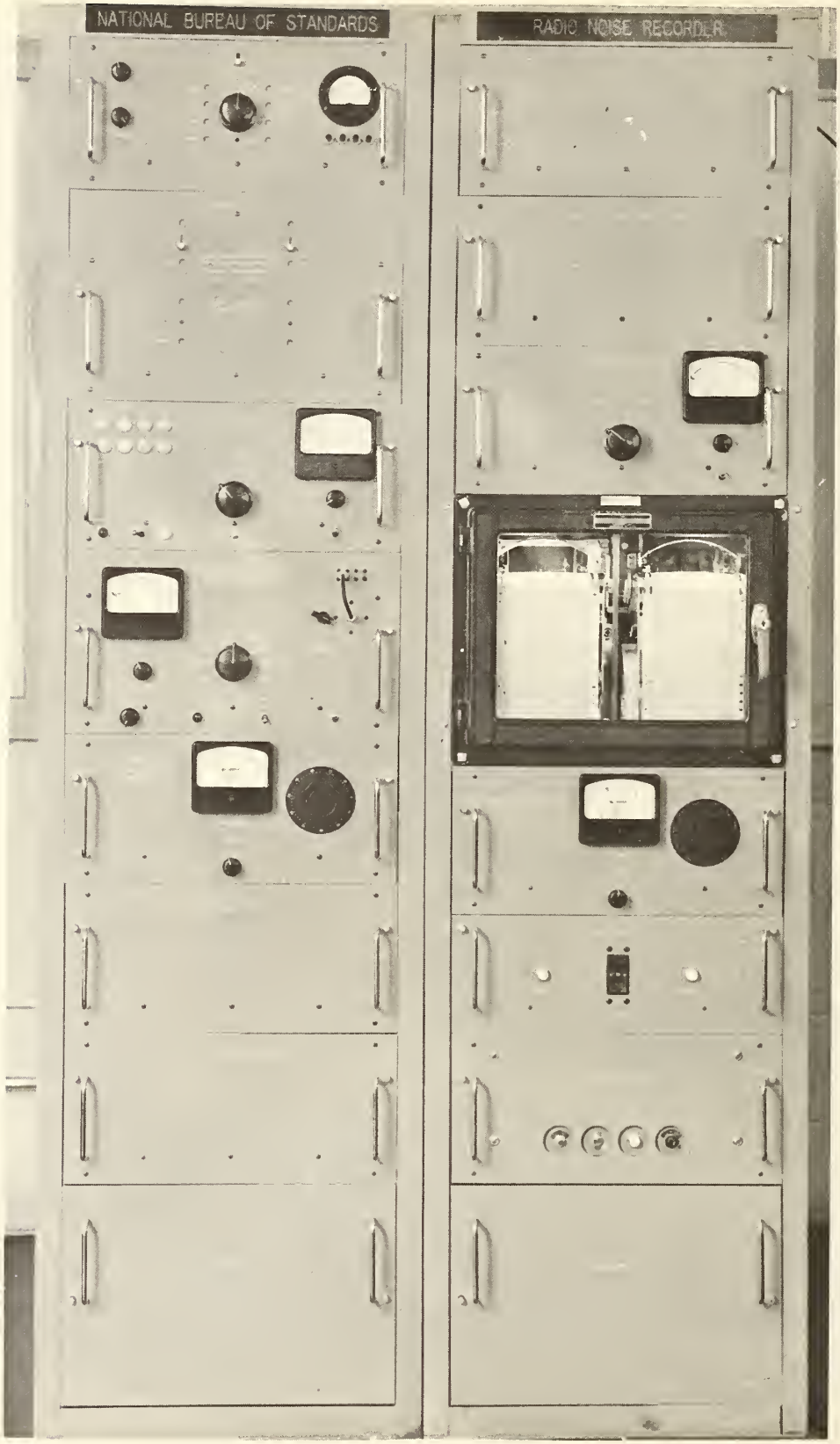
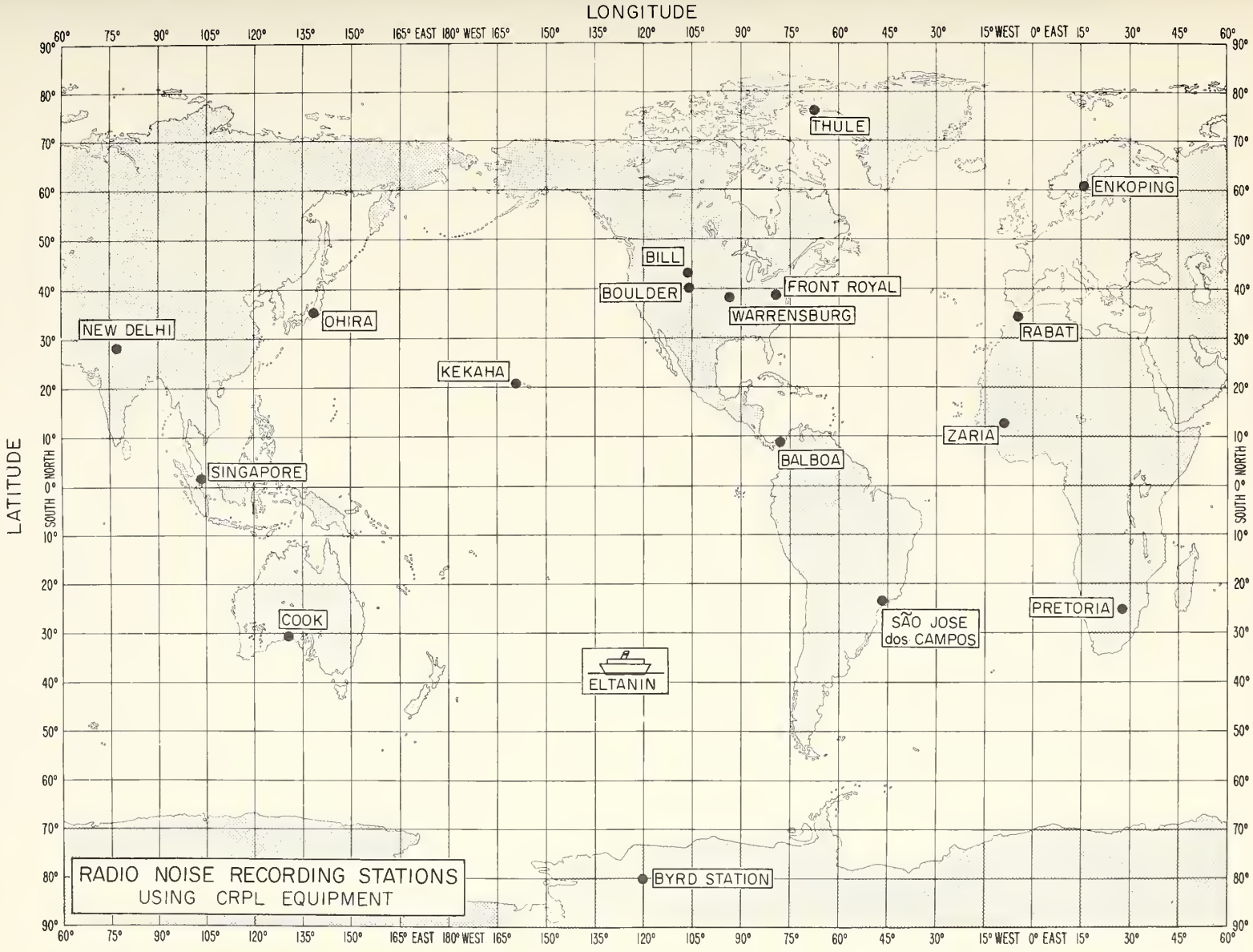
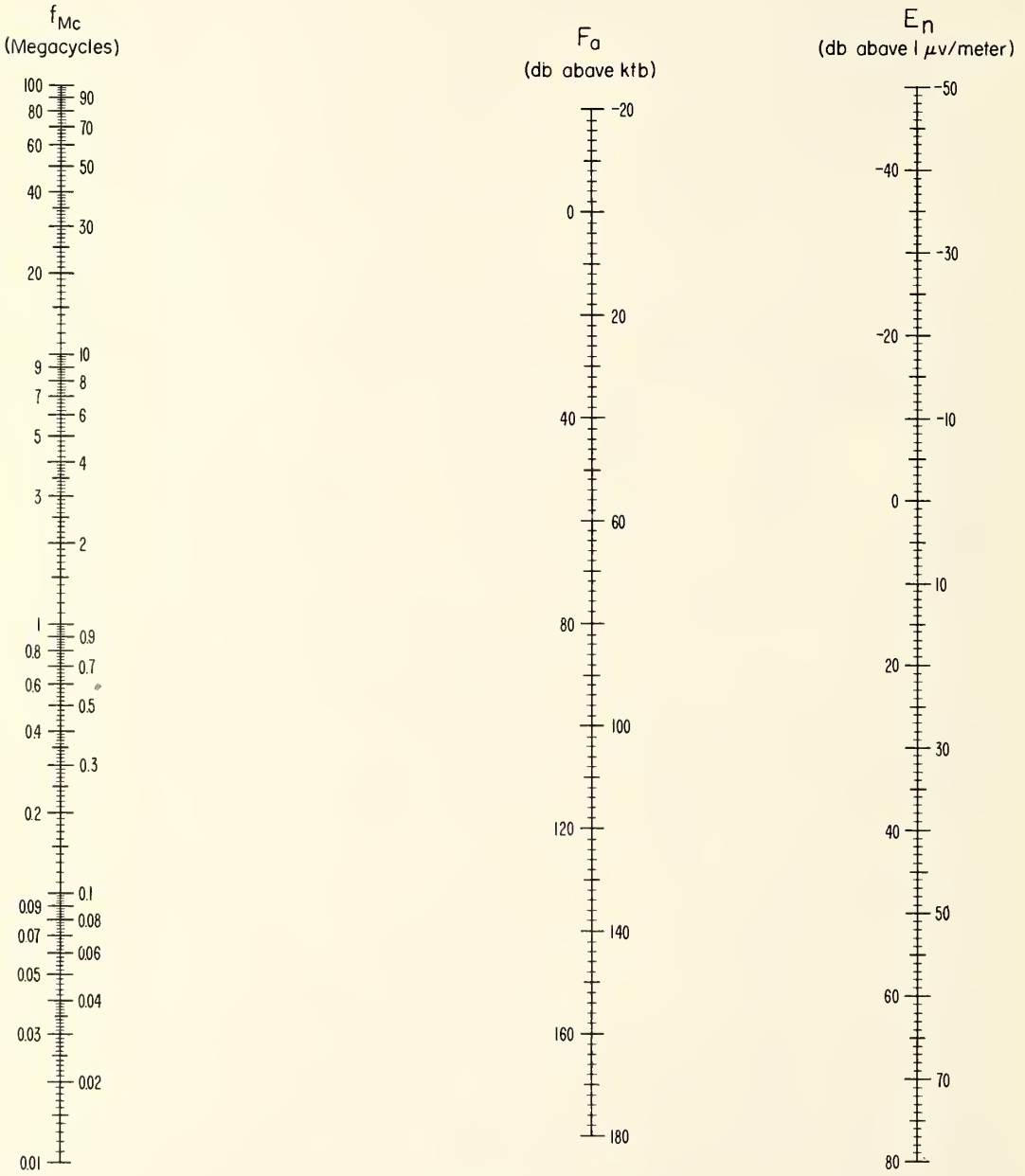
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder


LONGITUDE
60° 75° 90° 105° 120° 135° 150° 165° EAST 180° WEST 165° 150° 135° 120° 105° 90° 75° 60° 45° 30° 15° WEST 0° EAST 15° 30° 45° 60°
LATITUDE
90° 80° 70° 60° 50° 40° 30° 20° 10° 0° 10° 20° 30° 40° 50° 60° 70° 80° 90°
SOUTH NORTH
THULE
ENKOPING
BILL
BOULDER
FRONT ROYAL
WARRENSBURG
RABAT
NEW DELHI
OHIRA
KEKAHA
ZARIA
BALBOA
SINGAPORE
PRETORIA
SÃO JOSE dos CAMPOS
COOK
ELTANIN
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT

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



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

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

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

f_{Mc} = Frequency in Megacycles.

Quarterly Radio Noise Data
June, July, August, 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 June, July, and August are given in this report. Where the results for these months are not presently available, the data will be published in subsequent reports, and the data for previous months, which are now available but have not been published previously, are included. The tabulated values are based on three basic parameters of the noise; these are the mean power, the mean envelope voltage and the mean logarithm of the envelope voltage.

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

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

where

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

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

T_o = reference temperature, taken as 288° K

b = effective receiver noise bandwidth (c/s)

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

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

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

where:

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

b = effective receiver noise bandwidth in c/s

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

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

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

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

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

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

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

Station clocks are set to local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 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 des Atividades Espaciais (Brazil) - Saõ José dos Campos

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

The following publications contain additional information on radio noise:

Clarke, C., "Atmospheric Radio-Noise Studies Based on Amplitude-Probability Measurements at Slough, England, during the International Geophysical Year," Proc. Inst. Elec. Engs., Pt. B, 109, 47, 393 (September, 1962).

Crichlow, W. Q., A. D. Spaulding, C. J. Roubique, and R. T. Disney, "Amplitude-Probability Distributions for Atmospheric Radio Noise," NBS Monograph 23 (November, 1960b).

Crichlow, W. Q., C. J. Roubique, A. D. Spaulding, and W. M. Beery (January-February, 1960) "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," J. Res. NBS 64D (Radio Propagation) No. 1, 49-56.

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

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

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

"World Distribution and Characteristics of Atmospheric Radio Noise," C.C.I.R. Report No. 322, Xth Plenary Assembly, Geneva, 1963, (International Radio Consultative Committee, Secretariat, Geneva, Swtizerland).

Fulton, F. F. (Jr.) (May-June, 1961), "Effect of Receiver Bandwidth on the Amplitude Distribution of VLF Atmospheric Noise," J. Res. NBS 65D (Radio Propagation) No. 3, 299-304.

Horner, F., "An Investigation of Atmospheric Radio Noise at Very Low Frequencies," Proc. Inst. Elec. Engs., Pt. B, 103, 743 (1956).

Horner, F., "Radio Noise of Terrestrial Origin," Proc. of Commission IV on Radio Noise of Terrestrial Origin during the XIIIth General Assembly of URSI," London, September, 1960.

Spaulding, A. D., C. J. Roubique, and W. Q. Crichlow (November-December, 1962) "Conversion of the Amplitude-Probability Distribution Function for Atmospheric Radio Noise from One Bandwidth to Another," J. Res. NBS 66D (Radio Propagation) No. 6, 713-720.

Obayashi, T. (January-February, 1960), "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," J. Res. NBS 64D(Radio Propagation) No. 1, 41-48.

Taylor, W. L. (September-October, 1963), "Radiation Field Characteristics of Lightning Discharges in the Band 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).

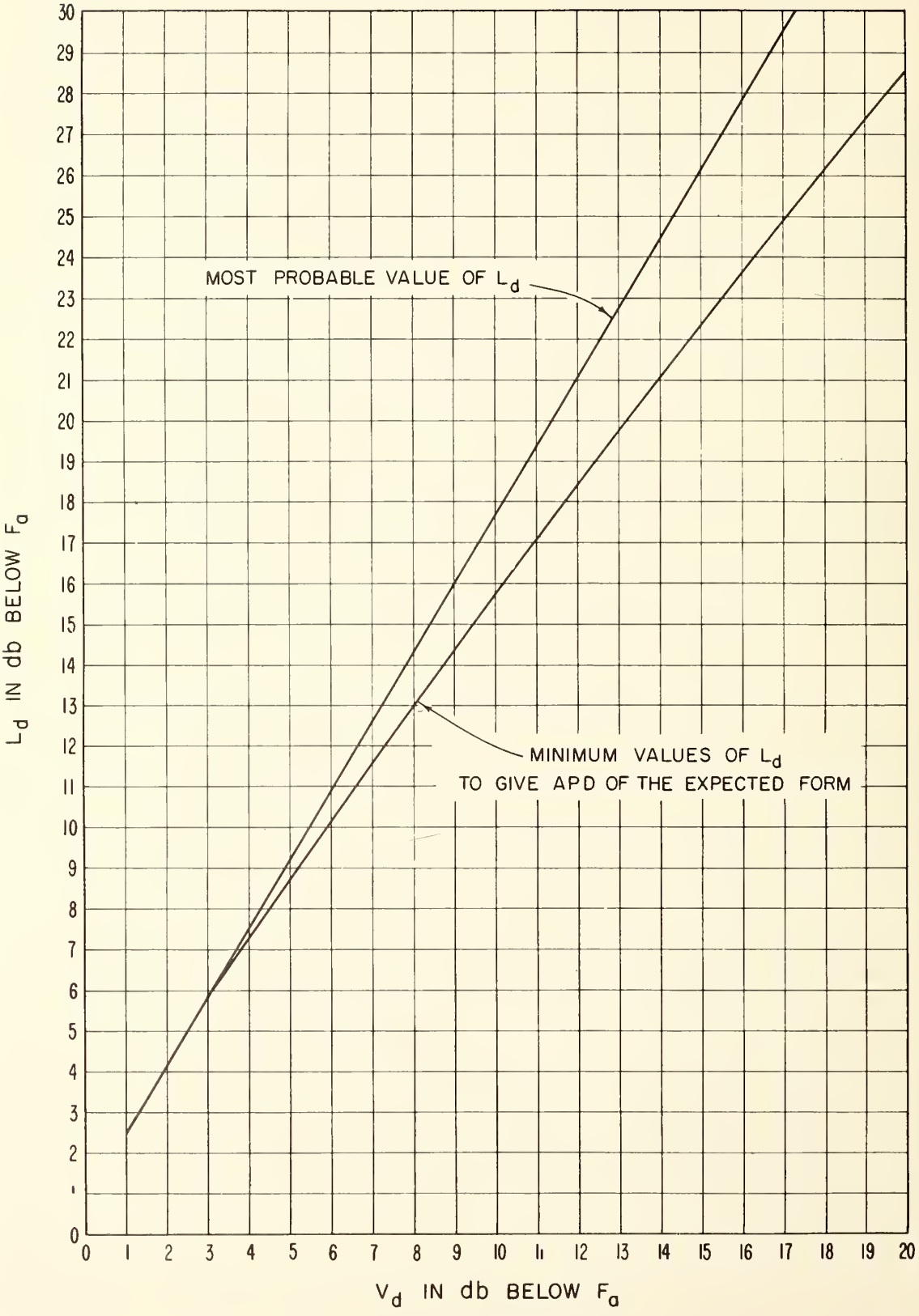
Data included in this report and the standard time for each station are as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	June, July, August 1963	75 W	+05
Bill	June, July, August 1963	105 W	+07
Boulder	June, July, August 1963	105 W	+07
Cook	June, July, August 1963	135 E	-09
USNS Eltanin	June, August 1963		
Enköping	June, July, August 1963	15 E	-01
Kekaha	June, July, August 1963	150 W	+10
New Delhi	June, July, August 1963	75 E	-05
Ohira	June, July, August 1963	135 E	-09
Pretoria	June, July, August 1963	30 E	-02
Rabat	August 1963	GMT	0
São Jose	August 1963	45 W	+03
Singapore	June, July, August 1963	105 E	-07
Warrensburg	June, July, August 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
18-18 March, April, May 1963

MOST PROBABLE AND MINIMUM VALUES OF L_d VERSUS V_d
FOR ATMOSPHERIC RADIO NOISE



MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																													
	.013					.051					.160					.495					2.5					5					
	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	
00	161					141					120					97					71			8.0	10.5	61			5.0	8.0	
01	163					141					122					99					72			5.0	9.0	59			4.5	8.0	
02	165					141					122					99					71			7.5	11.0	59			4.5	9.0	
03	167					145					122					99					74			5.5	9.5	59			4.0	7.5	
04	170					147					124					102					74			5.0	9.0	62			5.0	7.0	
05	168					145					125					97					75			5.5	10.0	61			5.5	8.5	
06	167					142					116					97					67			7.5	12.0	57			5.5	9.5	
07	165					143					120					97					67			7.0	15.0	57			7.0	10.5	
08	167					143					122					98					61			10.0	14.5	53			6.0	10.0	
09	171					143					124					92					51			6.5	11.5	51			9.0	13.0	
10	166					137					116					91					53					49			5.0	7.5	
11	165					135					114					90					49			8.5	13.5	49			9.5	14.0	
12	165					135					112					92					50			10.5	16.5	47			6.0	9.5	
13	165					143					120					105					61			7.0	11.5	49			8.0	11.0	
14	167					143					123					103					59			8.0	10.5	51					
15	168					144					122					98					61			10.0	16.0	53			10.5	17.5	
16	169					143					120					94					67			14.0	19.5	57					
17	166					139					117					92					60			8.0	12.0	59			5.5	9.5	
18	165					138					117					96					67			5.0	10.5	63			5.0	7.5	
19	164					139					120					98					73			5.0	8.5	63			5.5	7.5	
20	165					139					121					97					73			7.0	10.0	63			4.0	6.0	
21	164					139					120					99					72			6.0	8.0	63			4.5	6.5	
22	164					141					120					95					71			4.0	7.0	63			4.0	8.0	
23	163					140					120					97					71			5.0	8.5	61			5.0	8.0	

Hour (LST)	Frequency (Mc)																													
	10										20																			
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*						F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*																
00	43										20			1.5	2.0															
01	40			6.0	7.5						20			2.0	4.0															
02	41			2.5	5.0						22			1.5	2.0															
03	40			7.5	10.0						22			1.5	2.0															
04	41			5.5	8.0						23			2.5	3.5															
05	41			4.5	6.0						23			2.0	4.5															
06	42			5.0	8.0						22			2.0	4.0															
07	41			5.0	8.0						23			8.5	12.5															
08	37			4.0	6.0						25			4.5	7.5															
09	35			6.0	7.5						24			0.5	6.0															
10	37			5.0	6.5						24			7.0	10.0															
11	36			2.0	3.0						25			8.0	10.5															
12	39			5.0	7.5						24			3.5	4.5															
13	42			4.0	7.0						32			3.0	4.0															
14	41			5.5	8.0						30			7.0	8.5															
15	44			5.0	7.0						32			7.0	10.0															
16	49			4.0	6.0						28			6.0	8.0															
17	47			3.0	5.0						28			5.0	7.0															
18	47			3.5	6.0						26			4.5	6.0															
19	46			5.0	7.5						24			4.5	6.5															
20	47			5.0	7.5						22			2.0	2.5															
21	46			3.5	6.5						23			3.0	4.0															
22	44			6.0	8.0						20			3.0	4.0															
23	45			5.5	9.0						22			2.0	3.0															

F_{am} = medion value of effective ontenno noise in db obove ktb
D_u = rotio of upper decile to medion in db
D_ℓ = rotio of medion to lower deciie in db
V_{dm} = medion deviation of overoge voltage in db below mean power
L_{dm} = median deviotion of overoge logorithm in db below meon power

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	165	4	4	12.0	14.5	145	4	5	9.5	15.5	125	6	2	8.0	13.0	106	4	4	*6.0	*11.0	72	5	20	6.5	9.5	62	2	16	4.5	8.0	46	19	9	3.5	6.0	26	2	4	*1.5	*2.5
01	167	2	4	10.5	16.5	147	4	4	10.0	15.0	127	4	6	*8.5	*13.0	104	8	2	*6.0	*10.5	72	4	22	*6.0	*10.0	62	4	7	5.0	9.0	47	20	7	2.5	5.0	26	4	3	*1.5	*2.5
02	167	4	4	12.0	17.5	147	7	3	9.5	15.0	127	5	4	*8.0	*13.0	106	5	6	6.0	11.0	72	6	16	6.0	9.0	62	4	20	5.0	8.5	46	21	9	4.0	7.0	26	6	6	*2.0	3.5
03	167	4	4	11.0	18.0	148	6	5	10.0	16.0	127	6	6	8.0	13.5	106	5	5	*7.0	*12.0	74	4	11	5.5	10.0	62	6	18	5.5	9.0	46	22	12	*5.0	*6.5	26	8	3	*2.0	*4.0
04	167	6	4	11.5	18.5	147	7	5	10.0	17.0	127	4	6	9.0	15.0	104	8	5	6.5	13.0	74	2	18	5.5	10.0	62	4	17	6.0	9.5	48	23	11	*4.0	*6.0	26	8	6	*3.0	*4.0
05	167	6	6	12.0	18.0	147	6	6	11.0	17.5	129	3	9	9.5	17.0	104	8	14	9.0	16.5	72	6	16	6.5	11.0	62	5	9	*6.0	*10.0	48	22	12			26	7	4	*1.5	*2.5
06	165	6	4	12.0	18.0	147	6	10	12.5	19.0	127	6	10	11.5	19.5	106	8	14	*9.5	*18.5	68	4	15	8.0	14.0	60	4	12	6.0	10.0	60	10	16	*4.5	*7.5	28	7	5	*4.0	*5.0
07	165	7	4	14.0	19.5	147	4	9	12.0	19.0	127	5	11	*11.0	*18.0	104	10	14	*11.5	*19.5	65	5	12	*9.5	*14.0	56	8	8	*8.0	*13.0	54	8	14	*2.0	*5.0	28	2	4	*4.0	*5.0
08	167	4	6	13.0	19.0	146	5	10	13.5	22.0	127	6	12	*12.0	*21.0	105	7	16	*10.0	*17.0	60	8	6	9.5	16.0	53	6	6	8.0	12.0	54	4	14	*2.0	*4.0	28	8	4	*2.0	*4.0
09	166	5	7	12.5	18.5	143	8	8	*14.0	*21.0	121	12	4	*12.0	*19.5	101	13	17	*9.5	*16.5	54	15	7	*10.0	*16.0	47	16	3	*7.0	*12.0	50	4	12	*3.5	*6.5	28	8	6	2.5	5.0
10	165	6	6	12.5	18.5	145	6	13	14.0	20.0	127	4	11	*12.0	*20.0	102	12	12	*12.5	*21.5	54	11	10	*11.0	*17.5	48	8	8	*10.0	*14.0	48	4	12	*12.0	*17.0	28	12	6	3.0	5.5
11	163	10	2	12.0	19.0	141	11	6	13.0	20.0	123	12	12	*14.0	*24.5	99	17	9	*12.5	*16.5	54	16	12	*11.0	*17.0	46	18	6	*12.5	*18.0	45	9	9	*2.5	*4.5	26	14	4	4.0	7.0
12	165	6	4	*12.0	*17.0	142	11	7	15.0	22.0	121	14	7	*11.5	*18.0	102	18	16	*10.5	*18.5	58	17	14	*13.0	*20.5	51	18	15	*9.0	*11.0	49	11	11	*3.5	*6.5	30	16	4	*5.0	*8.0
13	163	13	0	10.5	17.5	147	8	10	*13.0	*19.5	127	10	12	*12.0	*20.0	106	12	22	*13.0	*22.0	56	34	16	*13.5	*20.0	50	25	10	*10.5	*16.0	49	11	11	*2.5	*4.0	34	10	8	*8.0	*10.0
14	168	6	5	10.0	16.0	145	10	6	11.0	17.0	127	10	9	*13.0	*20.5	106	16	16	*10.0	*17.5	64	16	16	*14.0	*21.0	54	14	12	*11.0	*18.5	52	6	11	5.0	8.5	32	10	6	6.0	8.5
15	167	9	4	9.0	14.5	147	8	8	12.5	17.5	127	8	9	13.0	20.0	108	10	19	*11.5	*19.0	64	20	22	*6.5	*7.5	58	14	14	*11.0	*16.0	56	6	16	*5.0	*7.0	34	8	10	*7.0	*9.0
16	167	5	3	9.5	15.0	146	5	7	13.0	19.0	126	8	12	*13.0	*22.0	104	10	14	*13.5	*21.5	64	15	23	*13.0	*19.0	57	12	5	*9.0	*13.0	58	7	18	*3.0	*5.0	34	4	10	3.5	7.0
17	165	12	2	8.5	12.5	145	4	8	12.5	17.0	121	6	9	*13.0	*18.0	100	11	10	*11.0	*17.0	60	18	15	*7.0	*12.0	60	7	12	5.0	8.5	64	6	25	*4.0	*7.0	33	5	7	6.0	7.5
18	163	7	2	*8.0	*12.0	143	6	5	10.5	16.0	119	12	4	12.0	18.0	104	7	16	*11.0	*18.0	66	8	11	8.5	13.5	64	5	12	4.5	8.0	64	8	16	3.5	6.0	32	4	8	5.5	7.0
19	163	5	4	10.0	14.5	143	4	6	10.5	16.0	122	6	5	19.0	15.0	102	8	7	*7.0	*12.5	70	6	12	*7.5	*12.0	64	6	12	6.0	9.0	62	11	20	4.0	5.0	28	6	5	4.5	6.0
20	165	15	4	10.0	15.5	143	7	3	9.0	14.0	123	7	6	8.5	12.5	104	8	6	7.0	11.5	72	5	6	5.5	9.5	66	4	11	5.0	8.0	58	13	13	*4.0	*6.0	26	6	6	3.5	3.5
21	165	15	4	10.0	15.0	145	5	4	9.0	14.0	123	8	4	8.5	13.0	104	7	4	6.5	12.0	74	3	10	6.5	10.5	64	8	15	5.0	7.5	46	14	14	2.5	4.5	25	5	3	*2.5	*3.5
22	165	15	2	10.0	15.0	145	5	2	*8.5	*12.5	123	8	2	*7.0	*11.0	104	7	2	6.5	11.0	72	4	16	6.5	10.0	64	6	14	5.0	7.5	48	20	7	*3.0	*6.0	26	8	4	*2.5	*3.5
23	165	12	4	10.0	15.0	145	4	4	9.5	14.0	125	4	6	*8.0	*12.5	106	4	6	*7.0	*11.5	72	5	12	6.5	10.0	62	6	8	4.0	7.5	48	23	6	*1.5	*3.5	26	4	6	*1.5	*3.0

F_{am} = median value of effective antenna noise in db abave 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 lagarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	176	11	11	10.5	16.0	146	7	3	11.0	16.5	127	5	4	9.0	13.0	104	10	4	*7.5	*12.0	72	4	3	5.5	9.0	68	6	6	5.5	7.5	48	21	11	*3.0	*5.0	26	2	2	3.0	6.0
01	173	12	6	11.5	16.0	146	8	3	*9.0	*14.0	129	5	6	*9.5	*14.0	106	8	7	*7.5	*11.0	74	6	6	5.0	9.0	69	6	1	5.0	8.5	48	23	8	*5.0	*7.0	28	6	4	2.0	3.5
02	173	14	4	10.5	17.5	148	4	4	10.0	15.0	127	7	2	*9.0	*14.5	106	8	6	*8.0	*12.5	76	4	4	6.0	10.0	70	3	5	5.0	8.5	46	22	8	*4.5	7.0	26	4	2	3.0	5.5
03	179	8	10	11.5	17.0	148	6	4	*10.5	16.0	129	6	4	*10.0	*14.5	106	7	6	8.0	14.0	78	2	6	*6.0	*10.0	69	4	4	5.0	8.5	46	28	6	*5.0	*8.0	26	4	2	*4.0	*5.5
04	181	6	11	13.5	18.5	148	4	4	*11.0	*16.5	127	6	3	*10.5	*15.0	106	6	7	*7.5	14.0	79	3	5	7.5	12.0	69	4	4	5.5	9.0	46	21	7	*7.0	*9.5	26	4	2	2.0	3.5
05	181	6	12	12.0	18.0	148	4	4	11.0	16.0	127	6	6	*10.0	*16.0	104	8	9	*9.0	*15.5	78	4	7	*6.0	*12.5	67	6	4	*5.0	*9.0	46	28	9	*5.5	*8.0	26	6	2	3.0	4.5
06	185	2	17	10.5	20.0	148	4	8	*13.0	*19.0	129	3	11	*13.0	*19.0	102	10	15	*9.5	*16.0	74	4	13	*8.0	*12.0	67	6	5	6.0	10.0	65	10	24	*3.5	*7.0	28	2	4	*1.5	*2.5
07	183	4	14	9.0	18.0	146	5	9	*13.5	*17.5	127	3	13	*12.5	*19.0	102	9	15	*12.5	*18.5	68	6	17	*9.5	*16.0	65	6	14	*7.0	*12.5	54	13	14	*8.0	*11.5	28	4	2	*2.5	*3.5
08	181	6	14	11.0	23.0	146	5	11	*14.5	*20.0	125	8	15	*14.5	*21.0	98	14	14	*12.5	*18.5	62	6	10	*10.5	*17.0	61	6	6	8.0	12.0	54	10	14	5.0	7.0	28	6	4	*4.0	*5.5
09	181	6	14	13.0	19.5	144	6	10	*17.5	*22.0	125	8	14	*13.5	*15.5	96	16	18	*9.0	*14.5	60	8	15	*8.0	*14.5	56	9	5	9.0	13.0	50	9	13	*8.0	*12.0	28	8	4	*5.0	*7.0
10	181	6	16	12.0	21.0	144	6	10	*13.5	*21.0	123	8	16	*17.5	*22.0	98	16	21	*10.0	*17.0	56	10	14	*10.0	*16.0	57	8	10	*8.0	*13.0	48	14	12	*9.0	*13.0	28	6	2	*4.5	*6.5
11	181	6	15	12.0	20.0	141	8	8	*20.0	*20.0	123	8	22	*13.5	*20.0	96	16	21	*11.0	*17.0	56	13	16	*13.0	*18.5	53	14	10	*10.0	*14.5	47	11	12	*11.5	*16.0	28	6	3	*5.0	*6.0
12	179	8	14	11.0	20.0	142	10	8	*16.0	*19.5	121	16	16	*15.5	*20.0	102	18	26	*13.0	*19.0	53	23	14	*11.0	*17.0	55	17	8	*10.5	*14.5	51	11	15	*6.0	*10.0	30	13	4	*11.0	*16.0
13	178	7	13	11.5	21.0	146	11	11	15.0	18.5	127	10	21	*14.5	*20.0	107	13	23	*13.0	*22.0	56	30	12	*7.5	*10.0	57	23	11	*11.0	*15.5	54	10	14	*9.0	*13.5	34	14	4	*6.0	*8.0
14	179	8	10	12.0	20.5	148	12	10	*14.5	*20.0	129	10	16	*14.0	*20.5	108	12	19	*13.0	*19.5	64	25	20	*8.5	*12.5	65	16	16	*9.0	*14.0	58	8	12	*6.0	*8.0	36	9	4	8.0	11.0
15	183	4	16	11.0	19.0	144	8	6	*12.0	*14.0	125	11	12	12.5	19.0	107	9	11	*11.0	*16.5	69	15	25	10.0	18.0	59	18	9	*9.0	*16.0	58	8	12	*7.0	*10.0	36	8	4	*7.5	*10.0
16	183	3	15	10.0	16.0	144	8	9	*11.0	*15.0	123	13	13	*11.0	*17.0	101	14	17	*10.0	*15.0	68	13	22	*12.5	*18.0	63	11	9	6.5	10.0	58	10	12	*5.0	*8.0	34	6	2	5.5	8.0
17	183	4	16	9.0	18.5	142	8	5	11.0	15.5	121	13	11	*13.0	*18.5	94	17	10	*8.5	*13.5	64	12	14	*10.0	*14.0	65	4	8	7.0	10.5	60	13	11	*6.0	*8.5	34	4	4	6.0	8.0
18	183	2	16	10.5	20.0	140	10	5	*13.0	17.0	119	12	8	10.5	15.0	98	13	6	*7.5	*10.5	66	8	8	7.5	11.5	69	4	4	6.0	8.0	52	20	4	6.0	9.5	34	2	4	5.0	7.5
19	183	3	18	11.0	20.0	142	6	4	*10.5	*15.5	123	6	6	8.0	14.0	104	9	8	*6.5	*10.0	70	6	4	7.0	11.0	71	3	4	5.0	8.0	54	19	6	*6.0	*8.5	30	4	6	4.5	6.0
20	182	5	17	11.0	19.0	144	5	4	9.5	13.5	123	5	2	8.0	12.0	104	5	6	*7.0	*10.0	72	6	4	*6.5	*10.0	71	4	5	*5.0	*8.0	52	17	7	4.5	7.5	26	2	2	3.0	4.0
21	173	12	8	11.5	15.5	146	4	4	9.0	14.0	123	6	4	*8.0	*11.0	104	5	6	7.0	11.0	72	4	4	7.0	10.0	72	3	7	5.0	7.5	48	27	7	*4.0	*6.0	26	2	2	2.0	3.5
22	177	10	12	13.0	18.0	146	3	4	11.5	15.5	127	6	6	9.0	13.0	104	8	5	*6.5	*10.5	72	4	5	6.0	9.0	69	4	3	5.0	8.0	46	19	7	*5.5	*8.5	26	2	2	2.5	4.0
23	171	16	4	10.5	16.0	146	5	4	11.0	15.0	127	5	6	8.0	13.0	104	10	4	7.0	11.5	72	4	5	5.0	8.0	69	8	4	4.5	6.5	46	18	6	4.5	5.5	26	6	2	2.5	4.0

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	165	4	4	8.5	15.0	142	6	6	5.5	10.0	122	7	5	5.0	11.0	100	8	6	4.5	10.0	76	5	8	4.5	9.0	64	5	4	5.0	8.5	42	9	5	4.0	6.5	25	3	0	1.5	3.0
01	163	6	4	9.0	15.0	142	4	4	6.0	10.5	122	5	7	6.0	12.0	100	4	8	5.0	10.0	75	4	7	5.0	9.0	63	4	8	4.5	8.0	40	9	5	4.0	7.0	25	2	0	1.0	2.5
02	163	4	4	9.0	15.0	140	4	4	6.0	10.5	121	6	8	6.0	12.0	99	5	9	5.5	11.5	75	3	6	4.0	8.0	63	4	7	4.5	8.5	40	5	4	3.5	6.5	25	2	0	1.0	2.5
03	163	2	4	9.5	16.0	139	3	5	6.0	10.5	116	7	9	8.0	14.0	85	11	11	7.5	15.5	75	2	7	5.0	9.5	61	4	5	4.0	8.5	39	8	3	4.0	7.0	25	0	0	1.0	2.5
04	162	5	3	10.0	17.0	134	6	8	8.0	13.5	111	8	19	11.0	19.5	75	17	17	8.0	15.5	61	8	6	8.5	12.0	57	4	6	5.0	9.0	40	11	4	3.5	6.0	25	0	1	1.5	3.0
05	161	4	4	10.0	17.0	132	8	6	7.5	13.0	109	12	14	10.5	19.5	71	19	15	7.0	15.5	49	9	10	7.5	11.0	53	5	10	6.0	10.5	40	9	2	3.5	6.0	25	2	2	1.5	3.0
06	161	4	4	10.5	18.0	132	6	6	8.0	13.5	107	12	18	11.5	19.5	69	19	13	10.0	16.0	41	15	11	7.0	10.0	47	8	10	7.0	11.0	40	4	5	5.0	8.0	25	4	2	2.0	3.5
07	161	4	4	10.0	18.0	130	8	6	8.5	14.0	106	13	17	12.0	20.5	71	15	13	9.0	14.5	33	17	6	5.0	8.0	43	6	6	8.0	12.0	36	6	2	4.5	7.5	25	2	2	1.5	3.5
08	161	6	4	11.0	18.0	131	7	7	8.5	14.0	101	19	14	10.0	18.0	67	21	13	8.0	12.0	29	11	4	3.5	5.5	37	10	8	5.5	9.5	36	4	4	5.0	8.0	25	3	2	2.5	4.0
09	*163			11.0	18.5	*134			9.5	15.0	108	11	17	12.5	22.0	72	20	14	9.5	19.0	31	9	6	*5.0	*8.0	40	5	13	8.5	11.0	36	4	6	4.5	7.5	25	2	2	1.5	3.0
10	163	3	5	11.0	18.0	132	8	7	8.0	13.5	109	12	12	12.5	22.0	80	18	16	12.0	21.0	31	22	8	3.0	5.0	35	7	9	6.5	10.0	36	4	4	4.5	7.5	25	2	2	2.0	4.0
11	165	4	8	10.0	17.0	136	10	6	10.0	15.0	115	12	16	12.0	22.5	84	24	16	11.5	21.0	33	30	8	3.5	6.0	39	12	8	6.0	12.0	36	4	4	4.0	7.5	25	4	2	2.5	4.5
12	167	4	4	9.0	17.0	140	10	8	8.5	14.5	119	16	16	10.0	18.0	92	24	20	11.0	18.0	44	27	19	7.0	11.0	44	22	13	5.0	9.5	40	5	8	4.5	7.0	27	9	3	2.0	4.5
13	167	8	2	9.0	15.0	140	14	6	7.5	14.0	119	18	10	9.0	16.0	100	21	28	8.0	15.0	51	28	26	6.0	10.5	46	22	14	5.5	8.5	42	10	6	4.5	7.5	27	18	2	3.0	5.0
14	169	10	4	8.0	13.0	143	17	7	7.0	12.0	125	12	16	9.0	17.5	104	14	24	9.0	18.5	61	26	34	7.5	12.5	51	24	16	5.0	9.5	46	16	8	3.0	7.0	29	12	4	3.0	5.0
15	169	6	4	7.0	12.5	146	10	10	7.0	13.0	127	10	14	7.0	15.0	107	17	25	7.5	16.0	65	17	34	8.0	13.0	53	22	13	5.5	10.0	46	14	6	3.5	7.5	31	18	6	2.5	4.0
16	171	8	6	7.0	12.5	149	11	13	6.0	11.0	127	12	10	6.5	12.5	106	16	24	6.0	13.0	71	18	36	7.0	11.0	59	18	12	5.0	9.5	48	12	6	4.0	7.5	29	17	4	3.0	5.0
17	171	8	6	8.0	14.0	147	9	9	7.0	12.0	128	13	11	4.5	11.5	104	18	22	5.5	13.0	67	21	25	6.5	12.0	61	17	11	5.0	9.0	50	15	6	4.5	7.5	31	13	4	2.5	5.0
18	169	8	4	7.0	13.0	146	10	10	6.5	11.0	128	11	18	6.5	12.5	105	13	34	8.0	12.5	68	15	17	6.5	11.0	65	8	10	4.0	7.5	52	11	6	4.0	7.5	33	10	6	3.0	5.5
19	168	9	5	7.5	12.5	146	8	10	6.5	11.5	129	8	16	5.5	11.0	104	12	22	4.0	10.0	69	17	10	4.0	7.0	65	6	6	3.0	6.0	52	14	6	4.0	7.0	33	4	6	2.5	5.0
20	169	6	6	7.0	13.5	146	8	6	6.0	11.0	127	10	8	5.0	9.0	104	12	12	4.5	10.0	75	6	4	4.0	7.0	69	4	6	3.5	7.0	52	14	7	3.5	7.0	29	7	4	2.5	4.0
21	167	6	4	7.5	13.5	146	6	6	5.0	10.0	127	4	8	5.0	10.0	102	8	8	4.5	9.5	77	6	6	3.5	7.5	69	4	8	3.0	6.0	50	6	6	3.0	6.5	27	4	2	1.0	3.0
22	165	6	4	7.5	14.0	144	6	8	6.0	11.0	125	8	10	5.0	11.0	100	10	8	4.5	9.0	77	6	6	3.5	7.0	67	4	8	4.0	7.0	48	6	11	4.0	7.0	27	4	2	1.5	3.0
23	165	4	4	8.5	14.5	144	6	6	6.0	10.5	123	8	8	5.0	11.0	100	8	10	4.0	9.5	77	6	8	4.5	8.0	67	5	6	4.0	7.0	46	17	9	3.5	7.0	25	2	0	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	167			9.0	15.0	144			6.0	11.0	124			6.5	12.0	105			4.0	9.0	77			5.0	8.5	63			4.0	7.0	47			2.0	4.0	25			1.5	3.0
01	167			8.0	14.0	142			6.0	11.0	122			6.0	11.0	102			4.0	9.0	75			3.0	7.0	60			4.5	7.5	43			4.0	6.0	25			1.5	3.0
02	167			8.5	14.5	141			5.0	10.0	122			5.0	10.0	101			4.0	8.5	73			5.0	8.5	62			5.0	9.0	45			2.0	3.5	24			2.0	3.0
03	165			8.0	14.0	141			6.0	11.0	119			5.5	11.0	96			6.0	12.5	71			5.0	9.0	60			4.5	7.5	44			2.0	4.0	24			1.5	2.5
04	165			9.0	16.0	136			7.0	11.0	115			7.0	15.0	85			10.5	19.0	69			5.0	10.5	58			5.0	9.0	57			2.0	4.0	24			1.5	2.5
05	164			10.0	17.0	135			9.0	14.0	113			8.0	16.0	80			7.0	13.0	59			8.5	14.0	58			5.0	9.0	53			1.5	3.0	24			1.5	3.0
06	164			10.0	18.0	135			9.0	15.0	113			9.5	18.5	80			8.0	15.0	45			8.0	12.5	51			6.5	10.0	45			2.0	4.0	23			2.0	3.5
07	163			11.0	18.5	132			9.0	15.0	108			10.0	20.0	74			7.5	13.0	37			7.0	11.0	48			8.0	12.0	41			2.0	4.5	23			2.0	4.0
08	163			10.5	18.0	133			10.0	15.5	115			9.5	19.0	66			6.0	11.0	29			7.5	11.5	46			6.0	10.0	40			4.0	7.0	23			2.5	4.5
09	163			10.0	17.0	132			9.0	15.0	103			11.0	21.0	67			6.0	11.0	27			3.5	7.0	36			5.0	9.0	38			4.0	6.0	23			2.0	3.5
10	165			10.5	18.5	133			9.5	15.0	106			14.5	24.5	73			12.0	20.5	25			2.5	3.5	36			6.0	9.0	37			3.5	6.5	24			2.0	3.5
11	165			8.0	14.0	134			7.0	12.5	107			9.5	18.5	76			11.5	19.0	26			2.0	4.0	36			7.0	10.5	38			3.5	6.0	25			1.5	3.0
12	167			7.5	13.0	137			6.5	11.0	119			8.5	16.0	96			8.0	14.0	35			4.5	6.5	38			6.0	10.0	40			3.5	6.5	26			2.0	3.0
13	169			6.5	12.0	138			5.0	9.5	121			7.5	14.0	102			10.0	19.5	52			9.0	14.0	48			6.0	10.0	42			4.0	6.5	27			2.5	4.5
14	169			6.5	11.5	142			5.5	10.0	125			6.0	12.0	102			7.5	14.5	61			8.5	15.0	51			5.5	9.5	48			2.5	4.0	27			3.0	5.0
15	171			5.5	10.5	143			5.0	9.5	127			5.0	10.0	104			5.5	12.0	61			6.0	11.5	48			5.0	8.0	58			2.0	4.0	29			2.5	6.0
16	171			6.0	10.5	146			6.0	11.0	131			5.0	10.0	106			6.0	10.5	60			6.0	11.0	59			4.0	9.5	60			2.5	4.5	31			2.5	4.5
17	171			6.5	11.0	143			5.5	10.5	129			4.5	9.5	104			4.5	9.0	63			5.0	11.0	64			4.0	7.5	66			1.0	3.0	31			5.0	7.0
18	169			7.0	12.0	144			6.5	11.0	129			5.0	10.0	106			4.5	9.5	65			6.0	10.5	67			4.5	7.5	68			1.0	3.0	33			4.0	7.0
19	169			7.0	12.5	145			5.0	10.0	127			3.5	8.0	102			4.0	9.0	71			4.0	7.0	68			3.0	6.0	72			1.5	3.0	27			2.5	5.0
20	169			6.0	12.0	145			5.0	10.0	127			5.0	7.0	100			3.0	7.0	77			2.5	5.0	70			2.5	5.5	68			1.0	3.0	27			3.0	4.5
21	169			5.5	12.0	145			6.0	10.5	127			3.5	8.5	104			3.5	8.0	80			3.0	6.0	70			3.0	6.0	65			2.0	4.5	26			2.0	4.0
22	169			7.5	14.0	145			5.0	10.0	125			5.5	11.0	104			4.0	9.5	79			3.0	6.0	67			4.5	8.0	67			2.0	4.0	27			1.0	3.0
23	167			8.0	14.5	143			7.0	10.0	123			5.0	11.0	104			3.0	7.5	80			4.0	7.0	65			5.0	8.5	57			3.5	6.0	25			0.5	2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	167	2	2	9.0	15.0	142	4	3	6.5	11.0	121	4	5	5.0	10.0	101	3	4	4.5	9.0
01	167	2	2	9.0	16.0	142	2	4	6.5	12.0	121	4	6	6.0	12.0	101	2	4	5.0	11.0
02	167	2	4	9.5	16.0	142	3	4	7.5	13.0	121	4	6	6.0	13.0	99	6	2	6.0	12.0
03	167	1	4	10.0	16.0	140	6	2	7.0	12.5	121	4	8	7.0	14.0	99	4	5	6.5	13.0
04	165	4	4	10.0	17.0	138	6	2	8.0	13.5	115	7	8	9.0	18.0	89	9	16	10.5	20.0
05	163	4	2	10.5	17.5	136	7	5	9.0	14.0	113	11	20	13.0	22.5	75	22	16	9.0	15.0
06	163	4	3	11.0	18.0	134	5	4	9.5	14.0	106	14	19	14.0	23.0	73	20	16	9.0	15.0
07	163	2	4	10.5	18.0	132	6	4	9.5	14.0	105	13	16	14.0	22.5	65	26	8	7.5	15.5
08	161	3	2	11.0	18.0	130	5	2	10.0	15.0	103	14	12	14.5	24.0	67	18	12	7.5	11.5
09	161	4	2	11.5	18.0	130	3	4	11.0	15.0	100	12	19	14.0	21.5	63	17	5	7.0	12.5
10	163	2	3	11.0	18.0	132	4	4	9.5	15.0	101	15	13	12.0	21.0	73	17	12	9.5	16.5
11	165	2	2	9.5	16.0	136	2	2	8.5	14.0	110	9	9	11.0	20.0	83	14	12	13.0	22.5
12	167	2	2	9.0	15.0	138	6	2	8.0	14.0	117	11	10	10.0	18.0	91	13	13	10.0	20.0
13	169	2	2	7.5	14.0	142	4	4	8.0	14.0	121	6	9	9.0	16.5	95	11	11	9.5	19.0
14	169	3	2	7.0	13.0	144	4	4	7.0	12.0	123	8	8	8.5	16.0	99	14	12	9.0	18.0
15	171	2	3	6.5	12.0	144	7	4	6.5	12.0	125	8	6	8.0	15.5	101	17	9	7.5	15.0
16	171	4	3	7.0	12.0	146	10	4	6.5	12.5	127	10	9	8.5	16.5	101	16	11	7.5	15.5
17	171	3	4	8.0	14.0	146	7	4	8.5	14.0	127	8	14	8.0	16.0	103	13	14	9.0	18.0
18	169	5	2	7.5	13.0	146	7	6	7.0	13.0	127	7	6	8.0	14.0	103	11	15	9.0	17.0
19	169	6	3	7.0	12.5	146	6	8	7.5	12.0	125	8	8	6.5	12.5	103	14	12	6.5	11.0
20	169	4	4	7.0	13.0	146	6	6	6.0	11.0	125	9	7	6.0	10.0	101	15	6	4.5	9.5
21	169	4	4	7.5	13.5	144	6	4	6.0	11.0	123	9	8	5.5	11.0	101	14	6	3.5	9.0
22	169	6	4	8.0	15.0	144	7	4	6.5	11.5	121	9	5	5.0	10.5	101	8	3	4.5	9.5
23	169	2	4	9.0	15.0	144	4	4	7.0	11.0	123	4	7	6.0	11.5	101	4	3	5.0	10.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	75	3	6	3.5	7.5	62	2	6	4.0	7.5	42	17	9	2.0	4.0	25	2	0	1.0	2.5
01	73	4	4	3.5	7.5	60	2	4	4.0	7.5	39	18	7	2.5	5.0	25	2	0	1.5	2.5
02	73	5	5	4.0	8.0	60	2	5	3.5	7.0	38	14	4	3.0	4.5	25	2	2	1.5	2.5
03	71	6	4	3.5	7.0	60	4	7	4.5	8.0	40	16	8	1.0	3.0	25	2	2	1.5	2.5
04	71	5	4	4.5	8.5	56	4	4	5.5	10.0	44	11	13	1.0	3.0	25	2	2	1.5	3.0
05	61	9	7	7.0	10.5	54	6	4	5.5	10.0	48	7	10	2.0	4.0	23	4	0	0.5	2.0
06	49	12	9	7.5	11.0	50	5	8	6.5	10.0	44	5	6	2.0	4.5	23	4	0	0.5	2.0
07	39	20	5	5.0	9.0	42	6	6	6.5	10.5	39	4	3	3.0	6.0	23	4	0	1.5	3.0
08	33	9	8	5.0	8.0	38	8	6	6.5	11.0	36	5	4	4.0	7.0	23	4	0	1.5	2.5
09	27	12	2	3.0	5.0	34	7	5	6.0	9.0	34	4	4	3.5	5.0	25	2	2	1.0	2.5
10	25	10	2	2.5	4.0	32	8	6	7.0	10.5	34	4	2	4.0	6.5	25	2	2	1.5	2.5
11	29	16	6	3.0	6.5	36	8	8	7.5	12.5	37	3	4	3.5	6.5	25	2	2	2.0	3.5
12	39	25	12	8.0	12.0	40	10	7	7.5	12.0	40	2	4	3.0	6.0	26	3	3	2.0	3.5
13	51	18	20	10.0	15.0	44	11	7	7.0	11.5	42	3	4	3.5	6.0	27	4	2	2.0	4.0
14	53	18	15	10.0	15.5	48	11	6	6.0	11.0	44	10	2	3.0	6.0	27	10	2	2.5	4.5
15	60	22	15	8.0	13.0	52	16	4	5.0	10.0	48	10	4	2.5	5.0	29	11	3	2.5	5.0
16	57	29	10	8.5	13.5	56	19	5	4.0	9.0	53	9	7	3.0	5.5	29	7	2	2.5	4.0
17	64	15	16	6.0	10.5	58	9	5	3.5	7.0	56	11	8	2.5	5.0	29	8	2	2.5	4.0
18	67	11	9	5.0	9.5	62	4	4	3.0	6.0	62	8	12	2.0	4.5	29	6	2	2.5	4.0
19	71	8	6	4.0	7.5	66	2	5	3.0	6.5	59	11	10	3.0	6.0	29	7	4	2.0	3.5
20	75	6	2	3.0	6.5	68	2	5	3.0	6.0	60	10	12	2.0	4.0	27	13	2	1.5	3.5
21	76	8	5	3.0	6.0	66	3	4	3.5	6.5	52	18	11	1.5	3.5	27	3	2	1.0	2.5
22	75	11	3	3.5	8.0	64	4	5	4.0	7.0	48	20	8	1.5	4.0	26	4	1	1.0	2.5
23	75	5	5	3.0	7.0	62	5	6	3.5	7.0	46	19	11	1.5	3.5	25	2	0	1.0	2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado   Lat. 40.1 N   Long. 105.1 W   Month June   19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	161	4	4	9.0	15.5	139	8	4	7.0	13.0	121	8	4	7.0	13.5	100	4	8	6.5	13.0
01	160	5	7	9.5	15.5	139	4	6	7.0	13.0	119	4	6	6.5	12.5	98	4	10	5.5	11.0
02	161	4	8	11.0	16.0	137	4	8	7.0	13.0	118	5	5	6.5	13.0	94	8	6	5.5	13.0
03	159	4	8	9.0	17.0	137	4	8	8.5	14.0	115	8	8	9.0	17.5	90	6	12	9.0	18.0
04	159	2	6	11.0	17.5	131	6	10	8.0	15.0	107	12	17	11.0	19.0	74	14	8	10.5	17.0
05	157	4	6	10.0	18.0	133	4	10	10.0	17.0	107	10	12	12.0	20.5	76	12	12	10.0	14.0
06	157	4	8	11.0	18.0	131	4	8	10.5	17.5	107	8	16	11.5	19.5	74	14	12	8.5	14.5
07	159	2	10	12.0	18.5	129	6	10	10.5	18.0	104	13	15	10.0	19.5	72	18	7	9.5	15.0
08	*159			12.5	18.0	*131			11.5	17.0	*106			12.5	21.5	*70			*10.0	*17.0
09	*158			*10.0	*17.0	*133			*8.5	*14.0	*105			*12.0	*19.0	*77			*12.0	*20.5
10	*161			*11.5	*18.0	*136			11.0	16.0	*109			*11.5	*20.0	*72			*6.5	*13.0
11	*163			9.0	16.0	*139			*10.0	*18.0	*118			*9.0	*13.0	*91			*10.0	*19.0
12	*165			9.0	16.5	*139			*7.0	*12.0	119	14	18	11.5	14.5	98	20	28	*8.5	*17.0
13	165	6	8	7.5	13.0	139	18	7	7.0	12.5	119	15	16	8.5	14.0	98	28	28	10.5	17.0
14	165	10	7	7.0	13.0	143	17	9	7.0	13.5	123	16	20	10.0	16.5	97	23	27	12.0	21.0
15	167	4	6	7.5	13.0	143	12	6	9.0	15.0	123	14	19	*7.0	*12.0	100	18	30	10.0	19.0
16	167	4	4	9.5	13.5	141	12	4	*6.5	*11.5	125	12	17	8.5	14.0	100	15	17	10.5	15.5
17	166	5	5	7.0	12.5	141	11	4	6.5	12.0	123	10	4	8.5	14.5	102	12	12	8.5	17.0
18	165	4	6	8.0	15.0	141	10	6	7.0	12.0	121	12	6	7.0	12.5	94	18	21	6.0	12.0
19	163	6	6	8.0	15.0	141	10	8	6.5	11.5	119	14	12	6.0	11.0	94	16	15	5.5	11.0
20	163	4	6	7.0	13.0	141	8	4	6.0	10.5	121	8	8	5.0	9.0	96	10	10	4.0	7.5
21	161	6	6	7.5	13.0	143	6	6	5.5	10.5	123	6	10	5.0	9.0	98	8	8	4.5	8.0
22	163	2	6	8.0	13.5	141	6	6	7.0	13.5	122	9	11	4.5	9.0	100	8	12	4.0	9.0
23	163	4	8	7.5	13.0	139	10	2	6.0	12.5	121	8	8	6.0	11.0	102	6	12	4.0	8.5

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	78	8	6	8.5	14.0	65	6	4	4.0	9.0	44	16	9	5.0	10.0	27	2	2	4.5	9.0
01	78	8	10	6.0	12.5	65	6	6	6.0	10.5	44	16	9	4.5	10.0	27	1	2	4.5	10.0
02	78	6	12	9.0	15.0	65	4	10	4.5	10.0	44	17	5	5.0	11.0	25	2	0	5.0	13.0
03	78	8	10	10.0	16.5	63	6	8	10.5	15.0	42	12	8	7.0	12.0	25	2	0	7.0	13.5
04	68	8	8	10.0	16.0	59	4	6	8.5	14.0	40	6	4	8.0	15.0	25	2	1	2.0	4.0
05	57	9	9	10.0	16.5	53	6	10	8.0	13.0	42	2	7	8.0	14.5	26	3	1	2.5	4.5
06	52	9	7	8.5	14.5	49	8	11	9.0	14.0	42	2	6	9.5	13.0	27	1	4	2.0	4.0
07	52	9	9	10.0	15.0	47	7	11	7.0	14.0	36	7	3	7.0	12.5	27	2	3	2.5	4.0
08	52	6	12	9.5	14.5	47	6	12	7.0	13.5	*38			6.5	13.0	*27				
09	*52					*43					*35					*27				
10	*52					*43					*38					*29				
11	*56					*45					*40					*30				
12	*56			9.5	16.0	45	20	4	7.5	13.0	38	15	4	10.5	18.5	31	10	4	12.0	19.0
13	58	33	8	10.5	16.5	49	33	8	7.0	12.0	44	21	6	10.0	17.5	33	19	4	8.0	17.5
14	*62					52	31	11	9.0	14.0	47	15	9	10.0	17.0	33	13	8		
15	66	22	14	10.0	15.5	*58			7.5	13.0	50	12	12	7.5	14.0	33	14	6	9.0	15.5
16	61	23	12			59	10	10	7.5	12.5	*50			5.0	9.0	33	6	4	4.5	8.5
17	66	14	12	6.5	11.0	61	6	6	6.0	9.0	*50			4.5	7.5	33	6	4	5.0	8.0
18	65	9	5	6.5	11.0	*64			4.0	8.5	52	4	2	5.0	8.5	33	4	5	4.0	7.0
19	74	7	12	7.0	12.0	69	4	8	2.5	6.5	53	3	2	4.0	7.5	31	6	4	3.0	6.5
20	82	6	12	7.5	13.0	71	4	4	6.0	10.0	54	4	6	4.0	8.0	29	8	2	3.5	6.5
21	*82			5.0	10.0	*71			5.0	9.5	51	7	11	4.0	8.0	29	6	2	3.0	6.0
22	82	4	10	6.5	12.0	69	6	6	5.5	10.0	48	10	6	4.0	7.0	27	5	1	3.5	7.0
23	80	8	8	7.0	12.0	67	4	4	4.0	8.0	48	10	8	5.0	9.0	27	6	2	4.0	8.0

F_{am} = medion value of effective ontenna noise in db obove ktb
D_u = ratio of upper decile to medion in db
D_ℓ = rotio of medlan to lower decile in db
V_{dm} = median deviatlon of averoge voltoge in db below mean power
L_{dm} = median deviotlon of average logarithm in db below meon power

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	166	2	4	9.0	15.5	143	4	1	7.5	13.0	122	4	4	5.5	12.0	95	4	6	4.5	9.0	77	5	11	5.5	10.0	64	7	11	4.5	9.0	48	13	15	3.0	7.0	25	3	3		
01	164	4	3	9.0	16.0	145	1	4	8.5	15.0	122	4	5	7.5	14.5	94	3	7	4.0	10.5	78	2	15	4.0	8.0	64	6	10	4.0	9.0	46	14	6	2.5	6.0	25	2	4		
02	162	4	0	9.0	17.0	143	2	2	7.0	13.0	120	4	4	6.0	13.5	95	4	4	5.0	10.0	75	4	12	5.0	9.5	62	5	12	5.0	9.5	46	11	13	3.0	5.0	25	2	2	3.0	6.0
03	162	4	3	9.5	16.5	141	4	3	7.5	13.5	118	4	4	7.0	14.0	95	6	11	5.0	11.0	73	6	9	5.0	9.0	62	4	6	4.0	8.5	44	15	13	3.5	6.5	25	2	4		
04	162	2	4	10.5	18.0	137	4	3	9.0	14.5	110	6	4	8.5	16.0	81	7	10	8.0	14.5	72	4	12	5.0	9.0	60	6	9	4.0	8.0	52	6	14	2.5	5.0	25	2	4		
05	160	4	3	9.0	16.5	137	4	5	8.0	13.0	110	4	16	9.0	16.0	73	10	9	4.0	7.0	57	5	12	6.0	10.0	54	7	9	6.5	11.0	48	6	15	2.0	4.5	25	2	2	2.5	3.5
06	160	4	4	11.5	19.5	135	4	6	9.0	17.0	110	3	19	12.0	19.0	71	11	8	8.0	9.0	46	10	6	3.5	5.0	51	5	11	5.0	8.5	44	3	12	3.5	6.0	25	7	2	5.0	9.0
07	158	6	3	11.5	17.5	133	4	4	11.0	16.5	106	7	16	12.0	20.0	73	9	8	10.0	15.0	44	8	6	2.5	5.5	47	5	11	3.5	6.0	42	14	8	3.5	6.5	29	2	6	5.0	9.5
08	160	4	4	11.5	17.5	133	4	6	8.5	14.5	102	8	14	12.5	19.0	69	7	8	3.0	5.5	46	2	8	4.0	6.0	44	4	10	3.5	5.5	38	2	8	3.5	6.5	30	4	8	6.5	10.0
09	160	6	6	9.0	15.5	133	4	6	8.0	14.5	102	10	14	12.0	18.0	71	9	7	7.0	9.5	44	6	6	4.0	6.0	40	6	7	3.0	5.0	38	5	9	3.5	6.5	31	7	6	4.0	7.5
10	160	4	4	9.5	16.5	137	5	6	11.0	17.0	104	9	10	15.0	23.0	73	16	6	9.5	17.5	46	6	6	2.0	3.5	40	8	6	3.0	5.0	38	6	8	4.0	8.0	31	6	5		
11	160	4	4	10.0	16.5	139	4	6	9.0	15.0	115	7	8	12.0	22.5	89	20	14	10.5	19.0	48	13	8	3.0	5.0	45	8	9	4.0	6.5	38	4	6	4.0	7.5	33	4	7	8.0	13.0
12	166	2	4	9.5	16.0	145	4	8	10.0	17.0	124	5	12	11.0	20.0	105	6	16	9.5	18.5	54	16	14	3.0	5.5	49	8	12	3.0	5.0	42	4	6	6.0	9.0	33	6	2	8.0	12.0
13	166	8	2	8.0	14.0	147	6	6	8.0	14.0	124	6	10	7.5	13.5	107	10	12	9.0	16.0	64	8	16	3.5	5.5	52	9	11	5.0	7.5	43	6	8	3.5	7.0	34	4	3	6.0	9.0
14	168	7	2	8.0	13.0	148	7	4	7.0	15.0	128	7	8	7.5	14.0	107	11	11	9.0	17.0	65			9.0	16.0	55			8.0	14.0	50	4	12	3.5	6.0	35	4	5	6.0	10.0
15	168	6	2	8.0	14.0	149	6	4	9.0	15.0	130	8	12	6.5	12.0	109	10	14	11.5	18.0	66	11	19	7.5	13.5	58	10	18	3.5	7.0	48	10	6	3.0	6.0	36	6	6	7.0	12.0
16	170	6	4	6.5	13.5	151	10	6	7.0	13.0	130	8	8	6.5	12.0	111	6	16	9.0	16.0	66	12	18	4.5	9.5	60	8	18	3.5	7.0	54	10	10	2.5	4.5	37	4	7	6.0	11.0
17	170	5	4	7.0	12.0	149	6	4	8.0	13.0	130	8	8	6.5	12.0	106	13	7	9.5	18.0	70	8	22	5.0	10.0	58	11	15	3.0	5.5	60	7	18	2.0	5.0	36	4	7	5.5	10.0
18	168	6	2	8.5	13.5	149	5	4	7.0	13.0	130	7	6	7.0	12.5	107	11	10	9.0	17.0	69	13	20	3.0	5.5	63	7	21	3.0	6.0	62	8	24	3.0	6.0	35	4	7	7.0	12.5
19	168	4	4	7.0	12.0	150	4	5	6.0	12.0	129	5	8	6.0	12.0	107	7	11	9.5	17.0	75	3	20	3.0	5.0	68	4	12			62	7	25	1.5	4.0	33	5	5	5.0	7.5
20	168	4	4	7.5	13.0	149	3	4	7.0	11.0	128	4	8	6.0	11.0	105	4	8	5.0	9.0	79	3	24	3.5	6.0	68	5	11	3.5	6.5	62	8	10	2.0	5.0	31	6	4	7.5	12.5
21	168	4	4	7.0	13.0	147	4	3	6.5	11.5	126	4	6	5.0	10.0	103	4	4	4.0	7.5	78	5	11	3.5	7.0	69	5	24	3.0	6.0	62	7	20	2.0	4.0	29	2	4	4.0	6.0
22	168	2	4	8.0	15.0	147	2	5	6.5	12.0	124	4	6	5.0	10.0	103	4	4	4.0	9.5	80	2	13	4.0	8.0	69	5	11	3.5	7.0	62	5	14	2.0	4.5	27	4	4	5.5	8.0
23	166	4	4	9.0	16.0	147	2	6	7.0	13.0	123	5	6	5.5	11.0	102	3	5	4.5	9.5	77	5	11	4.0	8.5	67	5	11	4.0	8.0	54	13	16	2.5	5.0	25	5	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 Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month August 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	166	4	3	10.0	16.0	*141			*10.0	*15.0	118	8	4	8.5	14.0	101	6	4	7.5	12.0	73	6	4	*4.0	*8.0	63	5	6	4.5	8.0	42	12	8	*5.5	*8.5	26	2	2	1.0	2.5
01	166	2	4	10.5	15.5	*143			*6.0	*11.0	118	6	4	8.0	14.0	101	4	3	*7.0	*12.0	73	6	4	*5.0	*10.0	62	4	6	4.0	8.0	42	10	8	3.5	6.0	26	2	2	1.5	2.5
02	164	4	4	*10.0	*16.5	*137			*8.0	*13.5	118	5	4	*8.0	*13.0	101	2	6	*7.0	*13.0	75	3	6	5.0	9.0	62	4	8	5.0	8.5	42	8	10	*6.0	*10.0	26	2	2	1.5	3.0
03	164	4	4	10.0	16.0	*137			*10.5	*16.0	116	5	2	*7.0	*12.5	99	5	6	7.5	14.0	73	5	6	5.0	10.0	60	6	4	5.0	9.0	40	16	6	*4.0	*7.0	25	2	3	*2.0	*3.0
04	*163			*11.0	*17.0	*136			*9.0	*13.5	112	6	5	*9.5	*17.0	91	10	10	*12.0	*20.0	71	6	6	*6.0	*11.0	60	4	6	6.0	10.0	44	10	10	*4.5	*7.5	24	2	2	*2.0	*4.0
05	162	6	4	11.0	17.5	*133			*10.0	*15.0	*11.0			*11.0	*18.5	73	16	10	*7.5	*10.0	65	4	10	*8.0	*14.0	55	6	4	6.0	10.0	46	6	8	*4.5	*8.0	24	2	2	*3.5	*7.0
06	160	6	4	12.0	18.5	*133			*9.0	*15.0	*105			*11.0	*18.5	*73			*7.5	*12.0	51	8	6	*5.5	*9.5	50	6	6	*6.0	*8.0	42	6	5	*5.5	*8.5	26	2	4	*3.0	*5.5
07	160	6	6	*11.0	*16.0	*131			*7.5	*14.0	*100			11.0	*15.5	68	15	9	*4.5	*7.0	49	3	9	*4.0	*6.0	44	7	5	*7.5	*11.0	40	2	4	*5.0	*8.0	26	2	2	*2.0	*3.5
08	160	4	21	*12.0	*18.0	*123			*10.0	*15.0	*92			*8.5	*13.0	*65			*3.5	*5.5	45	4	6	*2.5	*4.0	44	2	10	*4.5	*6.5	37	5	3	*5.0	*8.0	26	4	2	*2.0	*4.0
09	*158			*11.5	*17.0	*127			*8.5	*12.5	*88			*10.0	*17.0	*63			*7.0	*9.5	45	4	6	*2.5	*4.0	40	4	11	*3.0	*5.0	36	2	7	*4.0	*6.0	28	4	4	*4.0	*6.0
10	*162			11.5	16.5	*129			*9.0	*15.0	*102			*12.5	*19.5	*74			*11.5	*20.0	41	10	3	*2.0	*3.5	40	4	5	*4.0	*6.0	34	8	4	*6.0	*8.0	30	4	4	*7.0	*9.5
11	*164			11.5	16.0	*137			11.5	16.5	*112			14.0	21.0	91	8	16	12.0	19.5	51	14	6	*1.5	*3.5	44	8	6	*4.0	*6.0	36	10	4	*5.0	*8.0	29	6	3	*3.0	*6.0
12	168	4	2	11.5	17.0	141	8	6	11.0	*16.5	120	7	10	14.0	*21.5	105	6	25	*12.5	21.0	57	8	12	*9.0	*10.5	49	8	8	*4.5	*8.0	42	4	6	*5.0	*8.0	33	3	5	*8.0	*10.0
13	170	4	4	*9.0	*14.5	*146			*11.0	*17.0	127	7	18	13.0	20.0	111	9	23	12.5	21.0	67	14	18	*10.0	*18.5	56	14	10	*8.5	*10.0	45	14	9	*5.0	*9.0	34	8	6	*7.0	*11.5
14	172	6	4	*9.0	*14.5	*151			10.0	16.5	129	8	12	12.0	19.0	115	6	26	11.5	20.0	73	11	25	*9.0	*15.0	60	14	13	*8.0	*13.5	48	13	8	*5.0	*8.5	38	6	8	*5.5	*8.0
15	174	4	4	9.5	15.0	153	6	6	10.5	16.0	131	9	14	10.5	17.5	111	13	15	12.0	21.0	75	14	18	*8.0	*14.0	67	13	15	*7.0	*11.0	51	11	9	*4.0	*7.0	35	11	5	*5.0	*8.5
16	172	6	4	10.0	15.5	149	6	6	*10.0	*16.0	130	9	15	10.5	*16.5	115	8	15	*11.0	*19.5	73	16	16	*9.5	*16.5	62	16	8	*7.5	*12.0	53	13	9	*3.5	*6.5	36	10	6	4.5	7.0
17	172	2	3	*10.0	*15.0	149	6	6	10.5	17.0	130	9	11	10.0	16.5	110	11	7	*12.0	*20.5	71	20	12	*6.5	*12.5	62	14	4	*4.5	*7.5	56	8	8	4.5	7.0	32	11	4	4.5	9.0
18	172	6	4	*9.0	*14.5	149	8	8	11.0	16.5	128	5	9	10.0	16.5	107	11	14	10.0	17.0	75	8	12	*6.0	*9.5	66	4	6	*3.5	*6.5	56	10	10	*4.0	*5.5	32	8	4	3.0	5.0
19	170	2	5	10.0	15.0	147	7	7	11.0	15.0	124	9	8	9.0	15.0	109	12	10	6.5	13.0	74	9	5	*4.0	*7.0	68	4	6	4.0	6.5	52	14	4	*2.5	*5.0	32	6	6	*3.5	*5.0
20	168	6	4	*9.0	*16.5	146	9	9	*9.5	*15.0	124	6	7	8.5	14.0	103	19	8	*7.5	*13.5	77	4	4	3.5	6.0	68	6	4	4.0	7.5	54	12	12	*3.0	*6.0	28	4	4	*3.0	*4.5
21	168	4	5	10.0	15.0	144	7	7	9.0	14.5	122	8	7	8.0	14.5	103	7	5	6.0	11.5	77	4	6	4.0	7.5	68	2	6	*3.5	*7.5	50	12	10	*3.5	*6.0	26	5	2	*1.0	*2.5
22	168	3	6	*9.5	*17.0	143	6	6	*10.0	*15.5	120	8	6	7.5	13.0	105	2	6	6.5	11.5	75	7	4	4.0	8.5	66	4	6	4.5	8.0	48	12	14	*3.5	*6.5	26	2	2	*1.5	*3.0
23	168	2	4	11.5	18.0	*143			*9.5	*15.0	120	6	6	8.0	13.5	99	6	3	6.0	13.0	75	6	6	5.0	9.0	64	4	4	*4.5	*9.0	46	18	14	*3.0	*6.5	26	3	2	*1.0	*2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160				
	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	157	2	4	6.5	11.0	127	4	5	8.0	14.0	105	4	5	7.0	12.0
01	157	2	2	6.5	11.5	129	4	4	7.5	13.0	105	3	4	6.5	12.0
02	157	2	2	7.0	12.0	127	3	4	7.0	12.0	104	4	4	7.0	12.0
03	157	2	2	6.5	11.5	127	3	2	7.0	11.5	103	4	2	6.0	12.0
04	156	3	1	7.0	13.0	128	3	3	7.0	13.0	103	4	2	6.0	12.0
05	157	2	3	7.5	13.0	127	3	2	7.5	13.5	103	1	6	6.5	12.5
06	156	2	3	7.5	14.0	127	3	4	7.5	13.5	99	4	4	7.0	13.5
07	155	2	2	7.0	13.0	119	4	4	8.5	14.5	79	6	6	*7.0	*13.5
08	153	1	2	7.5	13.5	110	9	1	10.5	17.0	63	12	6	11.5	18.5
09	153	0	4	9.5	15.0	109	8	6	*11.0	*19.5	65	10	6	*10.0	*15.5
10	153	2	4	11.0	18.0	109	5	5	*12.0	*19.0	65	16	6	*7.5	*11.5
11	153	2	4	11.0	19.0	109	2	4	*11.0	*19.5	65	18	6	*11.0	*21.0
12	152	3	3	11.0	18.5	109	4	4	11.0	19.0	65	18	6	9.5	13.0
13	151	4	4	10.5	18.0	109	6	4	*11.0	*19.0	65	14	8	*11.5	*18.0
14	151	5	2	11.0	18.5	109	11	4	*10.0	*17.0	61	21	6	*4.0	*6.5
15	151	3	1	*9.0	*15.5	109	8	4	*8.5	*15.0	69	24	12	10.5	17.5
16	153	2	2	8.0	14.0	109	9	5	9.0	14.0	73	20	10	*10.5	*18.5
17	153	2	4	7.5	13.5	109	12	4	11.0	18.0	87	12	8	13.0	22.0
18	153	2	4	8.0	14.0	115	8	6	10.0	17.5	91	10	8	*9.5	*17.0
19	153	4	2	7.5	13.5	121	8	10	7.0	16.0	97	10	8	9.0	18.0
20	155	3	2	8.0	13.5	124	5	5	8.0	15.0	101	6	6	7.0	14.0
21	155	4	2	7.5	13.5	125	4	6	9.0	16.0	101	6	4	7.0	15.0
22	155	4	2	7.5	13.0	126	6	5	7.5	14.0	103	7	4	7.0	13.0
23	155	4	2	7.0	12.0	127	4	6	7.5	13.5	103	7	4	6.5	12.0

Hour (LST)	.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm*	Ldm*
00	84	8	4	5.5	9.0	57	6	4	5.5	10.5	51	6	3	4.0	8.5	37	5	4	*3.0	*6.5	24	0	2	3.5	5.5
01	84	7	3	5.5	10.5	55	8	2	5.0	10.0	51	6	3	4.5	8.0	37	6	4	*4.0	*8.0	24	0	2	3.5	5.5
02	84	7	5	6.0	10.0	57	5	3	4.0	7.5	50	6	1	5.0	9.0	37	6	4	*4.0	*6.5	24	0	0	3.5	5.5
03	84	4	4	5.0	10.0	57	5	4	4.5	8.5	53	5	5	*3.5	*7.0	37	2	4	*3.0	*6.0	24	0	0	2.5	5.0
04	84	3	4	6.0	12.0	57	5	5	4.5	8.5	51	4	4	4.0	7.5	37	4	4	*3.5	*7.0	24	0	0	2.5	5.0
05	82	4	4	6.0	11.0	55	4	3	5.0	10.0	50	4	4	5.0	9.0	35	5	2	*4.5	*7.5	24	0	0		
06	73	9	7	7.5	15.0	53	5	4	*5.0	*9.0	48	3	3	4.5	8.0	35	2	4	3.0	6.5	24	0	2		
07	46	7	2			47	7	5	*6.5	*11.0	45	4	4	4.5	7.5	35	2	4	3.5	6.5	22	2	0	11.0	14.0
08	47	1	3	*6.0	*8.0	26	5	3	*4.0	*7.0	32	5	7	*5.0	*8.0	31	4	2	*4.0	*7.0	22	2	0	2.5	5.0
09	*47			*16.5	*22.0	*23			*7.5	*11.5	21	8	4	5.0	8.0	29	2	2	*4.0	*6.5	22	2	0	2.5	3.5
10	*47			*7.0	*10.0	*21					17	10	3	*4.5	*7.0	25	4	0	*3.5	*6.0	22	2	0	3.0	4.0
11	*46			*3.5	*6.5	*23			*6.5	*10.0	15	7	2	*3.0	*5.5	25	4	2	*3.0	*5.0	22	2	2	2.5	5.0
12	*48			*4.5	*7.5	*23			*5.0	*9.0	17	7	4	4.0	6.0	25	6	2	*3.5	*5.5	22	2	0	3.0	5.0
13	*46			*5.0	*8.5	*22					17	8	4	*5.5	*9.0	27	4	2	*3.0	*7.0	22	2	0	2.5	5.0
14	*44			*14.5	*23.0	*27					19	11	6	*5.0	*8.5	27	4	2	*3.0	*6.0	22	2	0	7.0	9.5
15	46	10	2	*4.0	*7.0	*26			*6.0	*10.0	23	16	6	*4.0	*6.5	33	9	3	*3.5	*6.5	24	2	2	3.0	4.0
16	62	4	11	*5.5	*9.5	30	10	9	5.0	10.0	33	8	8	4.0	8.0	37	6	2	*3.0	*6.0	22	2	0	2.5	5.0
17	80	4	10	6.5	13.5	40	12	7	*5.5	*10.0	41	6	6	5.0	9.0	37	7	3	3.0	6.0	22	2	0		
18	80	7	7	6.0	11.0	48	11	5	7.0	12.0	45	6	7	*4.5	*11.0	37	4	2	3.0	6.0	22	2	0	4.5	3.0
19	82	8	4	4.5	10.0	52	9	6	6.0	11.5	50	8	8	*5.5	*11.0	37	4	2	*3.5	*7.0	24	0	2		
20	86	4	6	4.5	9.5	55	8	6	*5.5	10.0	55	6	10	*5.0	*11.0	37	2	2	*3.0	*5.5	24	0	2	3.0	5.0
21	86	6	6	*4.0	*6.5	55	7	6	*5.0	10.0	57	4	10	*5.0	*10.0	37	4	2	*3.0	*5.5	24	0	2		
22	85	7	5	6.0	10.0	57	8	4	5.0	9.5	51	6	5	5.5	10.0	37	4	3	3.0	5.0	24	0	2	3.5	5.5
23	84	6	4	*5.0	*10.0	56	7	4	5.0	10.0	49	9	2	5.0	9.5	37	4	3	*3.0	*5.5	24	0	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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	2	2	8.0	12.0	127	2	2	9.0	14.0	102	4	2	7.5	13.0	83	6	2	6.5	11.5	57	5	4	6.0	10.0	51	4	2	5.0	8.0	36	5	3	3.0	4.5	22	2	0		
01	155	2	0	8.0	12.0	127	2	2	8.0	13.0	102	4	2	7.5	13.0	85	3	4	7.0	12.0	57	6	4	5.0	8.0	55	5	2	5.0	7.5	38	4	5	*4.0	*6.5	24	0	2		
02	157	0	2	8.0	12.0	127	3	2	7.5	12.0	104	3	4	7.5	12.5	83	6	3	7.0	12.0	57	6	4	5.0	9.0	51	4	3	6.0	10.0	36	8	2	4.5	7.5	24	0	2		
03	155	3	0	7.0	11.5	127	4	2	8.0	12.0	102	5	2	7.5	12.0	83	5	4	6.5	11.0	55	7	2	4.0	7.0	51	3	4	5.5	8.5	36	9	4	*3.5	*6.5	24	0	2		
04	155	3	1	8.0	11.5	127	4	2	8.0	11.5	102	5	4	6.5	11.0	83	6	4	6.0	9.0	55	6	4	5.0	8.5	49	6	4	4.5	8.0	34	5	4	*4.0	*6.5	22	2	0		
05	155	2	2	8.0	12.5	127	4	2	7.5	12.0	100	6	4	7.0	11.5	81	4	4	6.5	11.0	53	5	4	5.0	9.0	49	4	4	4.5	8.5	32	4	2	*5.0	*6.0	22	0	0		
06	155	2	2	8.0	12.0	125	4	5	8.5	13.0	100	3	9	8.0	14.0	71	9	13	*10.5	*15.5	51	7	5	4.0	9.5	45	4	3	3.5	6.0	32	4	2	*3.5	*4.0	22	0	0	8.5	7.5
07	155	2	3	8.0	12.0	119	3	4	8.0	14.5	76	12	7	*8.0	*11.5	41	12	0	*11.0	*14.5	47	5	10	*4.0	*7.0	45	3	6	4.0	7.5	34	3	2	*3.0	*5.5	22	0	0		
08	153	1	4	8.0	13.0	111	9	4	*9.0	*14.0	58	18	2	6.5	12.0	41	11	0	*3.0	*4.0	23	10	4	*7.0	*9.0	31	6	9	*8.0	*10.5	32	5	2	*4.0	*6.0	22	1	2	2.5	3.0
09	151	2	2	9.0	13.5	109	6	4	11.0	15.0	63	11	7	*7.0	*9.0	41	17	0	*4.5	*6.0	19	13	0	*10.0	*7.0	19	12	4	5.0	7.0	28	5	9	3.0	5.0	22	2	2	3.0	5.0
10	151	4	4	11.0	16.5	108	3	3	13.0	19.0	63	7	5	*8.0	*10.5	41	21	0	*8.0	*11.0	20	11	1	*7.0	*13.0	17	8	4	*4.5	*5.5	26	4	2	4.0	5.5	22	0	2	3.0	4.5
11	151	4	2	12.0	17.5	109	8	4	*13.5	*20.0	64	18	6	*10.0	*13.5	41	21	0	*10.0	*15.0	19	6	0	*7.0	*10.0	17	16	4	*5.0	*6.5	28	2	4	*4.5	*5.5	22	2	2	3.5	4.5
12	151	2	4	13.0	18.0	109	7	4	15.5	22.5	64	12	5	*6.5	*8.5	41	22	0	*5.5	*7.0	19	6	0	*8.0	*10.0	15	14	2	6.5	8.5	26	5	2	4.0	5.5	22	0	2	5.0	6.0
13	151	3	2	13.0	19.0	109	8	4	*12.0	*19.0	62	14	4	*12.0	*16.0	41	20	0	*6.0	*7.5	19	9	0	*4.5	*7.0	17	13	4	5.0	6.0	32	0	4	*3.0	*4.5	22	8	2	3.5	4.5
14	151	4	2	12.5	18.0	109	8	1	*12.5	*19.0	66	22	7	*10.0	*13.0	*41					19	8	0	*6.5	*8.0	19	11	4	*5.5	*7.5	32	5	3	*4.5	*6.0	*22			3.5	4.5
15	151	2	2	10.5	16.0	109	5	2	*11.0	*16.5	68	6	6	*12.0	*16.0	43	20	2	*6.5	*8.0	21	4	2	*5.0	*6.5	22	3	4	*7.5	*9.5	36	4	5	*3.5	*6.5	22	2	0	3.0	5.0
16	151	4	1	9.5	14.5	109	10	4	11.0	17.0	74	14	8	*11.0	*18.0	57	10	8	*8.0	*15.5	25	12	4	6.5	10.0	33	6	6	5.5	8.5	40	7	3	*3.5	*6.5	22	2	0		
17	151	3	2	9.0	14.0	113	7	5	13.0	19.0	86	11	7	12.5	20.0	77	4	8	*9.0	*17.0	37	9	5	7.0	11.0	41	9	4	5.5	9.0	42	6	6	*5.0	*7.0	24	0	2		
18	151	3	2	8.5	13.0	115	10	6	14.0	21.0	92	9	7	12.0	20.0	77	10	5	*7.0	*14.0	45	13	4	7.0	12.0	43	11	2	4.5	8.0	41	7	5	2.5	5.5	22	2	0	2.5	6.5
19	153	3	1	9.0	13.5	119	7	2	12.0	18.0	96	8	4	9.5	16.0	81	6	4	*6.5	*10.5	51	13	5	6.0	11.0	45	11	2	4.5	7.0	40	6	5	3.0	5.5	22	2	0		
20	155	2	2	8.5	13.0	123	4	2	9.5	15.0	98	8	4	9.0	15.0	83	8	4	*5.5	*9.0	53	11	4	5.5	10.0	47	10	2	6.0	10.0	38	4	4	3.0	5.0	22	0	0		
21	155	2	2	9.0	13.0	125	5	2	9.0	15.5	100	7	2	7.5	13.0	85	7	4	6.0	10.5	55	9	4	5.0	10.0	47	9	2	4.5	8.5	36	4	2	*3.0	6.0	22	2	0		
22	155	2	2	8.5	12.5	125	4	2	10.0	15.5	102	4	3	8.0	13.5	83	4	2	8.0	13.5	55	10	3	6.0	10.0	49	4	3	5.0	8.5	38	2	4	3.0	5.0	22	2	0		
23	155	2	2	8.5	12.5	125	4	2	10.0	16.0	102	3	2	8.0	12.5	83	4	4	*7.0	*12.5	57	4	4	4.5	8.0	51	3	4	4.5	8.5	38	4	4	3.0	4.5	22	2	0		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom*	Du	Dℓ	Vdm*	Ldm*	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm*	Ldm*
00	155	2	2	7.5	12.5	125	6	6	9.5	17.0	102	12	6	8.5	16.5	80			6.5	11.5	57	10	6	5.0	10.5	53	6	6	5.5	10.5	37	8	4	3.5	6.0	23	0	2		
01	155	2	2	7.5	13.0	127	4	6	9.0	15.0	102	10	4	7.5	14.5	80			7.5	13.0	59	6	6	6.0	12.0	51	8	4	6.0	11.0	37	6	4	3.0	6.0	23	0	2		
02	153	4	2	7.5	13.0	127	6	6	10.0	15.0	102	10	6	8.0	14.0	80			7.5	13.5	57	8	6	5.0	9.5	51	8	4	5.5	10.5	35	8	2	3.5	6.0	23	0	2		
03	155	4	0	6.5	13.5	127	6	4	9.0	15.0	102	6	6	8.5	15.5	79			8.0	15.0	55	6	4	5.0	9.0	51	4	4	5.0	9.0	35	6	4	5.0	8.0	21	2	0		
04	155	2	2	8.0	13.5	127	6	2	8.5	14.5	100	8	6	8.5	15.0	80			4.0	5.0	55	8	4	6.0	10.5	51	6	4	5.0	9.0	33	10	2	3.0	6.0	21	2	0		
05	155	2	2	*8.5	*14.0	127	2	4	9.5	15.0	98	6	8	*9.0	*16.0	76			6.5	12.0	53	10	6	6.0	11.0	49	4	4	5.0	9.0	33	8	3	4.5	7.0	21	2	0		
06	155	2	4	9.0	14.5	123	6	2	9.0	15.0	90	10	4	10.0	16.0	64			12.0	19.0	49	10	2	5.5	10.0	47	10	4	*5.0	*9.0	35	12	2	3.0	5.0	21	0	0		
07	153	2	2	8.0	14.0	115	6	6	6.5	11.0	68	14	4	*11.0	*16.0	42			7.0	11.0	41	10	8	*6.0	*11.5	43	8	8	*7.0	*7.5	37	18	4	3.0	5.5	21	2	0		
08	151	2	2	9.0	15.0	111	6	6	*11.5	*18.5	64	18	8	*8.0	*10.5	42					21	16	2	*6.5	*8.5	27	8	6	*6.5	*11.5	35	8	6	3.0	5.5	21	2	0	2.5	5.0
09	151	2	4	9.0	15.0	109	6	10	10.0	16.0	64	12	8	*10.0	*15.0	42					19	8	0	*6.5	*9.0	19	10	4	*4.5	*8.0	29	6	2	3.5	6.0	21	2	0		
10	151	2	2	10.0	16.5	109	8	10	*14.0	*21.5	64	12	6	*10.5	*16.5	42			6.0	8.0	19	4	0	*5.0	*7.0	18	9	5	6.0	9.0	27	4	2	4.0	6.5	21	2	0	4.0	6.0
11	149	4	0	11.5	18.0	109	8	4	15.0	22.5	62	12	4	8.0	13.0	42			5.0	8.0	19	5	0	*3.5	*7.0	17	14	2	*8.5	*13.5	27	4	2	4.5	5.5	21	2	0	2.5	5.0
12	151	4	2	12.5	20.0	111	16	6	*14.0	*21.5	64	24	6	*12.0	*20.5	42			5.0	7.5	19	6	0	*8.5	*11.5	17	14	4	*5.5	*11.5	27	8	2	4.0	6.0	21	2	0	2.5	4.0
13	151	4	2	13.0	20.0	109	16	4	13.0	22.5	64	28	6	*12.0	*22.0	42					19	8	0	*4.0	6.5	17	20	4	*5.5	*8.5	29	10	4	4.0	7.0	21	2	0	2.5	5.0
14	151	4	2	*10.0	*17.0	111	10	4	*11.0	*18.0	*70			*10.5	*16.0	42					19	7	0			21	12	4	*6.5	*11.0	35			2.5	5.0	*23			2.5	4.5
15	*153			10.5	17.0	113	10	8	*13.0	*21.0	*66			13.5	23.5	42			5.5	8.5	*25			*5.5	*8.5	33	8	18	*4.5	*10.0	37	8	8	3.5	7.0	23	0	2		
16	153	2	4	*8.5	*14.0	111	12	8	11.0	17.5	78	20	20	*13.5	*21.5	54			6.0	13.0	29	16	10	*6.0	*10.5	32	15	9	*4.0	*9.0	43	12	8	3.5	6.5	23	0	2	3.0	5.5
17	151	4	2	8.5	15.0	111	14	12	11.0	19.0	82	22	22	12.0	22.0	77			8.5	18.5	35	22	10	5.5	11.0	43	10	6	5.5	10.5	45	10	8	2.5	5.5	23	0	2	3.0	5.0
18	151	6	2	10.0	16.0	115	14	8	13.0	21.5	94	12	12	13.0	23.0	74			6.0	12.5	45	18	8	6.5	13.0	47	12	8	6.0	11.5	45	12	6	3.0	6.5	23	0	2		
19	153	4	2	9.0	15.0	121	8	8	12.0	20.0	96	10	10	*12.0	*20.0	80			6.0	12.0	53	12	10	8.0	16.0	49	12	8	6.0	11.5	47	8	12	2.5	5.5	23	0	1		
20	155	4	3	9.0	15.0	123	8	2	11.0	18.0	100	10	10	10.0	17.0	80			5.0	10.5	53	14	8	5.0	10.5	51	8	6	5.5	10.5	41	12	6	3.0	6.0	23	0	2		
21	155	2	3	9.0	15.0	124	7	3	10.5	18.5	102	8	8	10.5	18.5	82			6.5	12.0	57	10	10	5.5	10.0	53	6	6	6.0	11.0	39	18	4	3.0	5.5	23	0	2		
22	155	2	3	10.0	15.5	125	6	6	10.0	17.0	100	12	12	10.0	19.0	82			8.5	17.0	57	10	8	6.5	12.5	53	8	6	6.0	10.5	39	10	4	4.5	8.0	23	0	1		
23	155	2	2	8.0	13.5	125	6	4	10.5	18.5	102	10	10	9.5	17.5	80			6.0	11.5	59	10	8	6.0	12.0	53	8	6	5.5	10.5	37	6	4	2.5	5.0	23	0	0		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 52.5-67.5 W Month June 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	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	144					110					91					70					63					51					31					25				
01	145					108					88					69					63			3.0	3.5	45					33			2.0	2.0	41				
02	145					110					89					69					61			4.0	4.5	43					32					41				
03	147					108					73					54					59			4.0	4.0	41					28					25				
04	137					98					73					60										43					26					27				
05	137										67					58					52					45					22					27				
06	135					104					67					62					50					49					26					27				
07	135					102					71					48					48					53					26					27				
08	133										67					62					48					57			7.5	14.0	26			2.0	3.5	27				
09	133					102					69					62					30					31			4.0	6.5	26			2.5	4.5	27				
10	143					94					73					66					30			2.5	4.5	29			4.5	8.0	32					25				
11	141					98					87					66					32			3.0	4.0	23			4.0	6.0	28			1.5	3.0					
12	141					94					73					68					28			1.0	1.5	25			6.0	8.5	28					27			3.5	5.0
13																68																								
14																58																								
15	141										85					68					30			3.5	5.5	47					44					33				
16	145					112															48			2.0	3.5															
17	146					106					89					70					54			3.5	5.5	49			3.0	4.5	34					27			1.5	3.0
18	145					106					87					67					56			4.0	7.0	49			4.0	6.0	28			2.0	2.0	26			2.0	3.0
19	145					106					89					71					56			4.0	6.0	53			4.0	6.0	33			3.0	4.5	26			1.5	3.0
20	146										88					68					56					50			3.0	4.5	30			2.0	2.0	26			2.0	4.0
21	145					106					88					74					57			4.0	5.0	51			3.0	5.0	31			1.5	2.5	26			3.0	4.0
22	143					120					92					82					59			4.0	5.5	49			2.5	4.5	26			1.5	2.0	25			2.5	2.5
23	142					122					90					72					61			3.5	5.5	49			3.0	3.0	27			3.0	4.5	27			2.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fom*	Du	Dℓ	Vdm	Ldm
00	142			9.5	14.0	113			5.5	9.0	86			5.5	10.5	74			5.0	9.5	59					56					33					30				
01	142			9.5	16.0	112			5.0	10.0	87			7.0	13.0	77			6.0	10.5	58					57					33					29				
02	142			10.5	16.0	112			6.0	10.0	90			6.5	12.5	84			4.5	9.5	59					56					32					39				
03	146			12.0	18.0	114			8.0	14.0	88			6.5	12.5	74			6.5	14.5	60					59					32					30				
04	146			13.0	18.5	115			7.0	11.0	88			8.0	14.0	74			4.0	10.0	60					61					32					29				
05	146			11.0	16.5	115			5.0	9.0	88					76					59					62					34					31				
06	146			12.0	17.5	115			11.0	15.5	84			10.0	15.0	64			1.5	5.5	56					60					33					31				
07	145			10.0	16.0	109			4.5	12.5	85					66			2.5	7.0	45					66					34					31				
08	145			12.5	18.0	109					81			13.5	18.5	66			3.5	7.0	44					49					34					32				
09	144			11.0	16.0	108					83					66			2.5	8.0	40					48					32					32				
10	145			9.0	14.0	107			9.5	13.0	73					60			4.0	6.5	38					49					31					27				
11	143			9.5	15.0	102					79					62			2.5	6.0	36					47					32					28				
12	145			9.5	15.0	104			6.0	14.0	79					64			1.5	4.0	50					51					48					33				
13	145			8.0	13.0	102					77					66			2.5	7.5	42					47					32					31				
14	141			6.0	10.0	104					67					68			4.5	9.5	42					45					38					31				
15	139			8.5	13.5	106					67			10.0	13.0	68			4.0	9.5	42					51					50					29				
16	143			6.0	11.0	105			5.0	12.0	72					68			4.5	9.0	50					55					41					28				
17	144			5.5	10.5	108			6.0	10.5	73			7.5	12.0	70			3.0	7.5	52					53					37					29				
18	144			7.0	11.0	106			6.0	10.5	77			5.0	10.0	68			4.0	8.0	54					53					34					29				
19	145					109			6.0	10.0	76			8.0	13.0	70			3.0	6.0	56					54					34					29				
20	147			6.5	11.0	113			5.5	9.0	77			4.5	8.5	72			3.0	7.5	60					55					33					31				
21	147			8.0	13.5	116			5.5	10.0	83			4.0	8.0	74			4.0	8.0	58					57					33					29				
22	147			8.0	11.5	115			7.5	11.0	86			5.5	10.0	74			4.0	8.0	62					57					32					30				
23	141			9.5	15.0	111			4.5	8.0	85			7.0	12.0	74			6.0	10.0	58					58					32					30				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60S Long. 525-675W Month June 19 63

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	143					111					87					74					58			5.0	9.0	55			4.0	6.0	28			2.5	3.5	27			2.0	2.0
01	142					113			7.0	11.5	88			7.0	11.5	70			8.5	14.0	57			5.0	6.5	53			4.5	6.5	29			3.0	5.0	27			2.5	3.0
02	141					109			7.0	12.5	86			7.0	12.5	72			8.0	15.0	54			4.5	6.0	50			4.0	7.5	27			2.5	3.5	26			2.5	3.0
03	142			11.5	17.5	109					83					70					58			4.5	8.0	54			6.5	9.5	28			2.5	3.0	27			1.5	2.0
04	143					110			8.5	15.0	85			8.5	15.0	72					60			4.5	4.5	58			5.0	8.0	32			2.0	2.0	27			2.0	2.0
05	141			13.0	19.0	110					89					70					58			5.0	8.0	57					26			2.0	2.0	27			4.0	4.0
06	141					108					85					70			5.5	12.5	58			5.0	6.5	53			6.5	9.0	32			3.0	3.0	27			3.0	5.0
07	141			13.0	18.0	108					74					56					54			11.0	16.0	55			5.5	9.5	32			3.0	3.5	27			3.0	3.0
08	141					106			16.0	21.0	75					58					42			6.0	7.5	61			6.0	6.5	36			2.0	3.5	27			2.5	3.0
09	141			13.0	17.5	104			16.5	22.0	71					58					38			5.0	9.5	37			5.0	6.5	36			4.0	4.0	26			1.5	3.0
10	141			10.0	14.0	98					70					58					30			3.0	4.0	29			4.0	5.0	26			2.5	3.0	25			2.5	3.0
11	141			11.5	15.0	96					69					56					29			3.5	4.5	29			5.0	6.5	26			3.5	5.0	27			3.0	3.0
12	140			13.0	17.0	96					73					56					30			3.0	5.5	29			4.5	7.5	26			3.0	4.5	27			3.0	3.0
13	143					100					79			12.0	20.0	58			4.0	8.0	39			4.0	5.0	35			5.0	6.0	31			4.0	5.0	27			3.0	3.0
14	141			9.0	13.5	95					69					58					34			5.0	6.0	38			2.5	4.5	35			3.0	6.0	27			2.0	2.5
15	138					104			8.5	12.5	70			9.0	14.0	62					36			4.5	5.5	49			5.0	7.5	46					27				
16	139					100					77					68					56			5.5	7.5	49			4.0	4.5	50					25			2.0	3.0
17	139					109					86					63					57			6.5	8.0	47			6.5	8.0	30			3.0	3.5	25				
18	140					111					83					66					52			5.5	10.0	51					33					26			1.5	1.5
19	143					105					77					64					52			5.0	6.0	50			4.0	6.5	29			2.0	3.0	27			2.0	3.0
20	143					110					83					68					54			3.5	5.5	51			3.0	5.0	28			3.5	4.0	28			3.0	3.5
21	143					108					83					69					60			5.0	7.0	51			4.0	6.0	34			6.0	8.5	27			4.0	5.5
22	144					109			5.0	8.5	83					68					60			6.0	7.0	53			3.5	5.5	28			3.0	3.0	25			2.5	3.0
23	143			8.5	13.5	110					86					72					60			6.0	8.0	55			4.0	6.0	26			4.0	5.0	27			2.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	141			7.5	13.5	114			4.5	8.5	89					68			6.0	10.5	53					48			4.0	6.0	26			2.0	4.0	29			2.5	4.0
01	140			7.0	13.0	115			6.5	9.5	89			4.5	10.5	67					54			3.5	6.5	47			2.0	4.5	26			2.0	4.0	33			2.5	4.0
02	135					108			7.5	13.5	90			4.0	8.0	69			3.0	8.0	51			5.0	8.0	48			3.5	6.5	28			2.0	3.5	30			2.5	4.0
03	140			11.0	14.0	111			9.5	14.5	89					66			6.5	11.0	48					46					24			2.0	4.0	28			4.0	8.0
04	139					112			9.0	13.5	84			6.5	11.5	68					55					49			4.0	7.5	32			10.0	16.0	35				
05	139					116					81					60					56					49			4.5	9.0	27			3.0	5.0	30			3.0	5.5
06	141					111			8.0	10.0	84			9.5	15.5	59			6.0	12.5	51			5.5	9.5	51					25			2.5	4.0	27			2.5	4.0
07	143			10.0	15.0	110			9.5	19.5	76			6.0	12.5	53					49			6.0	11.0	42					26					29				
08	145			12.0	16.0	111			13.0	13.5	76			10.0	13.5	56			2.5	4.5	44			5.5	8.5	61					27			3.0	5.5	28			3.0	4.5
09	143			11.0	15.5	109			12.0	18.5	74			12.0	15.0	55			2.5	5.0	43			4.0	6.5	57					26			3.5	6.0	29			3.0	4.5
10	144			9.5	14.0	109			12.5	18.0	74			12.0	16.0	55			2.0	4.5	39			3.0	6.5	34					28			3.5	6.0	26				
11	144			11.0	14.0	112			12.0	18.0	76					53			2.5	5.0	34					31			4.0	7.0	21			3.5	5.5	27			3.0	5.0
12	141			7.0	12.0	106					76			9.5	14.5	54			3.5	6.0	30			4.0	6.5	27			4.0	7.5	30			3.5	6.0	27			3.0	6.5
13	143			11.0	15.0	106			13.0	18.5	74			10.0	15.0	54					30			4.5	8.0	29			4.0	7.5	28			3.0	5.5	27			1.5	3.0
14	141			8.0	13.0	96			7.5	12.0	74			9.5	13.5	57					34					31			5.0	7.5	30					29			1.0	3.5
15	141					96					65					58			6.5	14.5	38			4.0	6.0	39			4.0	6.5	38					27				
16	139			8.0	13.5	96			6.0	10.5	68					58					42			3.5	6.5	43			3.5	6.0	40			1.5	5.0	29			1.5	3.0
17	141			7.5	11.5	97			4.0	8.0	69			9.0	11.5	68			4.5	9.0	46			3.5	7.0	42					41					27			2.0	3.5
18	141			6.5	11.0	108			4.0	7.5	71			9.0	12.0	67			4.0	7.5	48			5.0	5.5	49			5.0	9.0	29					27				
19	137					105			5.0	9.0	75					65					52					45					31			1.5	3.0	27				
20	139					107			6.5	10.5	81					66			4.5	7.5	52			3.0	6.0	47			3.5	6.0	26					27				
21	144			8.0	13.0	111			6.5	11.0	77					63					51			4.5	8.5	48			3.0	5.5	26			1.0	2.5	29				
22	141			8.0	12.5	110			5.5	10.0	81					66					51			3.5	6.0	47			4.5	9.0	26			2.0	3.5	29			3.0	5.0
23	142			8.5	12.5	112			6.0	10.0	84					71					53					46			3.5	6.5	27			2.0	4.5	28			3.5	6.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	149			10.0	15.0	117			9.0	14.0	89			9.0	15.0	67			4.0	7.5	56					47					26					27				
01	147			10.0	15.0	117			7.5	12.5	85			7.0	12.5	65			5.5	11.0	52					49					28					27				
02	146			11.0	16.0	116					84					63			7.0	10.5	50					49					26					27				
03	147			10.0	15.0	115			8.5	14.0	86			7.0	12.0	65			5.0	10.5	52					48					28					27				
04	145			10.0	15.0	115			7.5	12.5	82					65			6.0	10.0	50					47					26					27				
05	145			13.5	20.0	118			9.0	13.0	86			7.0	12.0	61			5.0	10.0	50					49					26					27				
06	143			11.0	17.0	115			6.0	10.0	84					67					46					55					32					31				
07	145			11.5	18.0	117			9.0	16.0	82					61					48					59					28					27				
08	147					107			12.0	16.0	78					57					44					59					30					29				
09	145			11.0	16.0	103			5.0	9.0	72					49					40					53					34					25				
10	139			9.0	13.5	95			6.5	11.0	70			11.0	15.0	53					34					41					32					31				
11	138			8.0	14.0	99			8.0	13.0	71					52			7.5	11.0	33					28					26					27				
12	137			10.0	14.0	95					68					54			3.0	5.5	31					27					26					26				
13	139			8.0	12.5	99			8.0	13.0	69			8.5	12.5	57			5.5	8.5	33					30					33					26				
14	145			9.5	14.5	93			11.0	18.0	67					53			5.0	7.0	33					45					31					26				
15	138			8.5	14.5	98					76			10.0	12.0	62			5.0	8.5	35					38					31					27				
16	139					99			11.0	15.0	69					62			3.5	6.0	38					41					30					27				
17	141			7.0	11.0	105			6.0	10.0	70			11.0	13.0	59					43					42					22					26				
18	141			6.0	10.0	106			6.0	10.0	76			8.5	11.0	60					47					46					22					27				
19	141					113			5.0	8.5	75			9.5	12.5						49					48					27					27				
20	144			7.0	10.0	109			5.5	9.0	74					62			6.0	11.0	51					47					26					27				
21	144			7.5	12.0	112					76					58			4.5	6.5	50					48					26					27				
22	146			8.0	12.5	112			7.5	12.0	78					60			5.0	9.0	50					45					26					26				
23	146			8.5	13.0	113			7.0	11.5	83			7.0	10.5	63			9.5	14.0	50					45					27					27				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50S Long. 67.5-82.5 W Month June 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}*	D_u	D_l	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_l	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_l	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_l	V_{dm}*	L_{dm}*
00	147			8.5	13.5	120			5.5	9.0	103					82				
01	147					122			6.0	9.5	99					82				
02	145			10.5	13.5	120			7.0	12.0	101			5.0	9.0	84			5.0	9.5
03	147					122			7.0	12.0	101					84			5.0	10.5
04	147					122			9.5	14.5	101			8.0	15.0	80			7.5	13.5
05	149			13.0	19.0	122			12.0	16.0	95					77			6.0	13.0
06	153			12.5	19.0	118					88					70				
07	147					117			9.0	18.0	88			7.5	17.5	72			3.0	6.5
08	146			10.5	17.0	113			7.0	16.5	90					73				
09	147			9.0	14.0	110					80					70			4.5	9.0
10	144			10.0	16.0	106					91					72				
11	149			10.0	16.5	108			8.0	13.0	89			10.0	18.5	70			4.5	10.5
12	147			8.0	12.5	106					75					72			2.5	7.0
13	147			8.0	13.0	106					87					68			6.5	12.0
14	151			6.5	11.0	98					91			7.5	20.0	76			5.0	10.5
15	150			8.0	13.0	108			4.0	12.0	81			4.0	13.0	78				
16	145			7.0	11.0	100			7.0	12.0	87					77			7.0	14.5
17	147			9.0	14.0	108			9.0	17.0	89					80				
18	149			9.0	14.0	116					93			5.5	12.5	78			4.0	8.0
19	149			7.0	15.0	118			8.0	12.5	91			5.5	10.0	80				
20	149					118			7.5	11.5	95			3.0	7.5	80			5.0	9.0
21	147			7.0	12.0	118			2.5	5.5	97			3.5	8.0	82			4.0	7.0
22	147					120			5.0	9.0	101					80			6.5	10.5
23	145			8.5	13.0	122			5.0	9.0	103			6.5	11.0	82			5.5	11.5

Hour (LST)	2.5					5					10					20				
	F_{am}*	D_u	D_l	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_l	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_l	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_l	V_{dm}*	L_{dm}*
00	64			5.0	8.5	55			5.0	8.5	34					29			1.0	2.5
01	64			5.0	8.5	53					36			3.0	6.5	28			2.5	3.0
02	60			4.5	8.0	55			3.5	6.0	40			2.5	4.5	29			1.0	2.5
03	62			5.0	8.5	55			2.0	4.0	38			4.0	6.5	33			1.0	2.5
04	62			4.5	8.0	59					36			2.5	4.5	31			2.0	3.5
05	61					59			5.0	10.0	34					30				
06	54					62					34					29				
07	50					70					36					34				
08	45					55					36					31				
09	37					44					32					34				
10	40					40					32					31				
11	36					45					30					31				
12	36					47					32					33				
13	40					45					31					33				
14	43					39					32					36				
15	43					45			3.5	6.5	32					33			2.5	4.0
16	50			4.0	7.0	51			3.0	5.5	35			1.5	3.0	35			2.0	3.5
17	56			4.5	7.0	53			3.0	6.0	36			1.0	2.5	31			2.5	4.0
18	64			4.0	7.0	55			3.0	5.0	36			1.5	3.5	29			1.5	2.5
19	64			4.0	6.5	55			3.0	5.5	38			2.0	4.0	31			2.0	4.0
20	64			3.5	6.0	55			2.5	5.0	36			2.0	4.0	29			1.5	2.5
21	64			2.5	5.5	55			2.0	4.5	36					29			1.0	2.0
22	62			4.0	6.5	55			1.5	3.5	34			3.5	5.5	29			2.0	2.5
23	62			4.0	7.0	57			3.5	6.0	34			2.0	4.5	29				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 30-40S Long. 67.5-82.5W Month June 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					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_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	155					125					106					83					64			5.5	10.0	49			4.5	8.0	37			3.5	5.5	30			2.5	4.0
01	150					127					108					83					64			3.0	6.0	54			4.0	7.0	35			3.0	4.5	27				
02	152					129					108					82					62			3.0	6.0	53			3.0	5.0	36			4.0	6.0	29			1.0	2.0
03	152					127					106					82					62			4.0	7.0	51			3.5	6.0	35			2.5	4.0	27			1.0	1.5
04	153					130					104					80					61					53			3.5	7.0	34			3.0	4.0	27			1.5	2.5
05	153					123					101					76					59			4.0	7.0	54			4.0	7.0	34			2.0	3.5	27			1.5	3.0
06	154					124					89					66					58					55			4.0	9.0	34			2.5	4.0	29			2.5	4.5
07	149					108					71					67					56					53					34			5.0	7.5	29			2.0	4.0
08	143										71					73					54			8.0	11.0	47					36			2.5	4.0	31			2.5	4.0
09	145										71					70					50			3.0	5.0	35			6.0	9.0	38			2.5	4.0	33			2.5	5.0
10	144					98										65					50			3.0	5.0	39			4.0	7.0	36					29			2.5	4.0
11	145										87					65					42			3.5	5.5	37			3.5	6.5	36			4.5	7.0	27			2.0	2.5
12	143										73					70					38			2.5	4.0	37			2.5	6.5	34			2.5	6.0	39			4.5	9.5
13	148					113					79					68					50			3.0	6.0	41			4.0	6.0	36			3.0	5.0	37			3.0	4.5
14	143					98					78					70					60			4.0	8.0	43			3.0	6.0	40					35			5.5	9.5
15	145					104					73					76					58			5.0	7.0	49			3.0	5.5	40			2.0	4.5	33			3.0	5.5
16	145					104					70					68					54			3.0	5.0	43			2.5	4.0	40			2.0	5.0	30			1.5	2.5
17	141										67					72					60			3.5	6.0	47			3.5	10.0	37					28			2.0	3.0
18	147					120					92					78					60			2.5	5.0	57			3.5	6.5	37			3.5	6.0	30			3.0	4.0
19	148					119					100					83					63			2.5	5.0	52			3.0	4.5	37			4.0	6.0	28			2.0	4.0
20	147					124					103					82					66			3.5	5.0	53					38			4.0	7.0	27			6.0	8.5
21	150					121					102					85					67			3.5	6.0	53			3.0	4.0	41			2.0	3.5	31			2.5	4.0
22	147					125					104					83					67			3.5	6.0	54			3.0	5.0	40			4.0	7.0	29			4.0	7.0
23	148					126					107					84					64			4.0	8.0	57			3.5	6.0	34			2.5	4.5	27				

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	140					113					89					70					58			3.5	6.0	51			2.5	4.5	36			2.0	3.5	36				
01	139					117					80					67					54			3.5	6.0	51			3.5	6.0	40					26			1.5	3.0
02	131					109					80					70					51			2.0	4.0	55			2.5	5.0	45			2.5	5.0	38				
03	139					121					86					72					46					53					43			4.0	6.0	30			2.5	4.0
04	140					121					89					78					52			4.5	7.5	53					35					30				
05	151					123					90					74					56			4.5	10.5	60			3.0	6.0	39			3.0	5.5	37			1.5	3.0
06	148					120					85					71					53					51			3.0	5.5	35			2.5	4.5	31			1.5	3.0
07	148					118					77					66					50			4.5	7.5	49			3.0	6.0	38			2.5	4.0	29			1.5	3.0
08	144					109					72					60					47			5.0	8.0	47			5.0	9.0	38			3.0	6.5	33			1.5	3.0
09	135					96					62					57					41					41					37			3.0	5.0	43			2.0	3.5
10	131					96										56					47			2.0	3.5	36					32			3.0	5.0	58			4.0	5.5
11	127					88															48					33														
12											72					58															30			3.0	6.0	27			2.5	4.0
13	126					94					72					57					28			5.0	7.0	29			5.5	8.0	30			3.0	5.0	26			3.0	5.5
14	124					88					66					56					32			6.0	9.0	28					40			4.0	5.5	28			3.0	5.0
15	136					90					70					51					35					32			4.5	8.0	31			1.0	2.0	25			3.0	5.0
16	137					98					70					63					41			6.0	9.5	43					36			3.0	5.0	27			2.0	3.5
17	138					98					72					74					44			4.0	7.0	43			3.5	5.5	43			3.0	4.0	26			3.5	7.0
18	138					101					75					77					49			4.0	7.5	43			6.0	9.0	35			3.0	4.5	27			2.0	3.0
19	138					103					75					70					52			5.0	9.0	45					35			2.0	3.0	28			1.5	3.0
20	140					105					79					70					54			5.5	9.0	47			3.0	6.0	42			4.0	6.5	28			1.5	3.0
21	141					107					80					71					56			2.5	5.0	48			3.0	5.5	38			2.5	4.0	28			1.5	3.0
22	141					109					81					73					59			2.0	4.5	51			2.5	6.5	36					30			2.0	3.5
23	142					112					83					73					59			4.0	8.0	51			4.0	7.0	34			3.0	4.5	28			2.0	3.0

F_{om} = medion volue of effective antenno noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio af medion to lower decile in db
V_{dm} = medion deviation of average voltoge in db below mean power
L_{dm} = median deviotian of overage logarithm in db below meon power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60S Long. 37.5-52.5W Month August 1963

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	5	9			120	11	5			100	11	13			88	9	12			64	12	9	4.0	7.0	59	6	7	4.0	7.0	35	5	3	2.5	4.0	28	1	2	1.5	2.5
01	151	7	4			120	11	2			100	12	10			86	10	12			64	11	7	4.0	7.0	61	3	10	*4.0	*6.0	33	11	2	2.5	3.5	26	3	0	1.0	2.5
02	151	6	9			121	10	8			98	13	11			83	12	9			63	11	10	4.0	7.5	57	8	9	*5.0	*8.5	35	12	3	2.0	3.5	27	2	1	1.0	2.5
03	151	6	11			122	7	9			100	10	14			84	9	14			62	10	9	4.5	7.5	54	9	6	*4.5	*8.0	35	4	4	*2.5	*4.0	27	2	1	2.0	3.0
04	151	6	11			123	8	9			100	9	16			82	8	15			63	11	14	5.0	8.5	57	7	7	*4.5	*9.0	37	10	6	*3.0	*4.5	28	5	2	1.0	2.5
05	153	2	15			124	7	13			98	9	18			80	8	16			62	12	10	*3.0	*6.0	58	8	8	*5.5	*9.5	35	9	3	*2.0	*3.0	28	7	2	2.0	3.0
06	153	3	20			118	8	18			82	21	11			62	24	4			61	13	15	*4.0	*7.0	57	6	9	4.0	7.0	42	8	11	*2.0	*3.0	26	2	1	1.5	3.0
07	149	7	19			115	8	17			75	18	9			66	18	14			48	11	16	*5.0	*8.5	43	15	8	4.5	7.5	38	8	5	2.5	4.5	26	4	1	2.0	3.5
08	149	3	16			110	8	11			79	5	10			58	10	7			39	14	9	*4.5	*8.0	38	19	10	5.0	8.0	39	8	8	3.5	6.0	26	7	1	2.0	3.0
09	151	2	16			110	7	13			*78					64	6	9			32	18	6	*6.5	*10.5	35	8	11	*5.5	*8.0	35	10	4	*2.5	4.0	28	3	4	2.0	3.5
10	*151					*106					*79					*68					*29			*4.0	*6.5	*33			*6.0	*11.0	35	4	4	*4.0	7.0	28	2	4	2.0	3.5
11	150	6	3			110	5	13			78	12	8			68	7	17			33	5	5	*5.5	*8.0	32	23	7	*4.0	*6.5	33	4	3	*3.0	5.0	28	2	0	2.0	3.5
12	152	5	5			111	4	10			76	10	7			60	14	12			32	6	4	*5.5	*8.0	39	6	5	5.5	8.5	33	2	8	*3.0	5.0	28	2	0	1.5	3.0
13	151	5	5			110	7	9			80	6	13			55	14	6			31	6	4	*6.0	*9.0	29	12	5	*3.0	*5.5	33	1	2	2.5	4.0	30	4	2	2.0	4.0
14	149	7	3			108	9	6			80	10	10			58	27	10			30	10	2	5.5	8.0	31	6	6	*4.0	*6.0	35	3	3	*3.0	*5.0	30	5	0	2.0	4.0
15	151	4	9			109	8	7			80	10	10			64	17	13			38	11	8	*5.5	*11.0	33	10	4	*3.0	*5.5	40	4	5	3.0	5.0	30	15	2	2.0	4.0
16	151	4	9			108	9	15			78	15	9			68	8	15			41	8	5	*3.0	*6.0	45	16	8	*3.0	*5.5	43	7	10	3.5	6.0	28	4	0	2.5	3.5
17	151	2	6			112	9	12			84	12	16			72	6	10			50	6	8	3.0	5.5	49	3	6	3.5	6.0	47	2	10	*4.0	*6.5	28	4	0	1.0	2.5
18	153	2	6			116	8	7			90	13	17			78	6	6			58	9	4	4.0	7.0	53	6	6	4.0	7.0	41	6	4	*1.5	*5.0	28	2	0	2.0	3.0
19	153	4	4			120	6	8			98	4	14			82	7	4			63	7	5	4.0	7.0	55	4	4	*4.0	*7.0	43	8	8	3.5	5.5	28	4	0	1.5	3.0
20	153	4	3			120	6	6			98	6	12			84	6	6			65	8	5	5.0	8.5	57	6	6	3.5	6.5	39	12	4	2.5	4.0	28	3	0	2.0	3.0
21	155	2	8			122	3	10			99	8	14			86	4	7			68	5	8	4.0	7.0	59	4	8	4.0	7.0	39	6	6	2.0	3.5	28	2	0	1.5	3.0
22	153	4	5			120	9	6			100	7	13			88	6	12			66	8	8	5.0	8.5	55	8	4	4.0	7.0	37	10	4	2.0	4.0	28	2	2	1.5	3.0
23	153	4	6			122	7	6			100	10	11			90	6	14			66	10	8	2.5	5.5	57	6	6	4.0	7.0	35	2	4	2.0	3.5	28	2	0	2.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*
00	150	7	14	6.5	11.0	123	8	13	6.0	10.0	96	11	15	6.0	11.0	82	9	11	4.0	7.0	63	8	3	3.0	5.0	56	5	3	3.0	5.5	35	14	3	2.0	3.0	27	11	0	1.5	3.0
01	154	4	22	7.5	12.5	124	8	10	5.0	8.5	102	8	16	4.0	8.0	86	7	8	3.0	5.0	65	8	6	3.0	6.0	57	8	4	3.5	5.5	35	11	4	1.5	3.0	29	9	2	1.0	2.5
02	152	8	10	7.0	12.0	124	10	10	5.0	9.0	104	6	18	3.5	7.0	88	4	9	2.0	5.0	67	6	8	4.0	7.0	57	13	3	3.0	5.0	35	6	2	2.0	4.0	28	9	1	1.0	2.5
03	148	10	7	7.5	12.0	122	10	7	5.0	9.0	96	12	8	3.5	6.5	85	8	9	3.0	5.0	69	6	12	3.0	5.0	57	6	6	3.0	5.5	35	13	4	1.5	2.5	27	12	0	1.0	2.5
04	150	8	9	8.0	12.5	120	10	7	4.0	7.5	96	12	10	4.0	8.0	84	11	7	3.0	5.0	71	5	16	4.0	7.5	57	8	8	4.0	7.0	35	9	2	1.0	2.5	29	2	3	1.0	2.0
05	152	6	8	7.5	12.5	122	10	10	4.5	8.5	94	12	10	4.0	8.0	82	9	6	4.0	7.0	65	9	11	5.0	8.5	57	6	7	5.0	8.5	37	13	6	3.5	5.5	29	4	1	2.0	4.0
06	152	6	6	7.0	12.0	120	12	8	7.0	11.5	90	14	11	3.5	7.0	74	8	9			67	7	7	5.5	11.0	59	4	6	9.0	14.0	39	12	6	2.0	3.5	27	2	2	1.5	3.0
07	148	9	4	8.0	13.5	118	2	11	6.0	10.0	84	7	20	6.0	10.5	66	9	11	3.5	7.0	59	7	13			49	12	3	5.0	8.5	45	8	6	3.0	6.0	27	2	1	1.0	2.0
08	146	6	4	7.0	12.0	118	7	14	6.5	11.5	85	13	20	4.0	8.0	67	11	8	5.0	7.5	43	10	11	4.0	6.0	39	8	6	4.5	7.0	43	4	6	4.0	7.0	27	4	1	1.0	2.0
09	148	6	6	7.0	11.5	111	6	16	7.0	11.0	83	14	19	19.0	23.0	70	7	6	7.0	11.0	39	9	8	6.0	8.0	34	12	6	5.5	8.0	40	8	7	3.0	6.0	27	2	0	1.5	3.0
10	148	9	4	8.5	13.5	*110			7.5	13.0	*90			8.0	15.0	62	10	9	2.0	4.5	41	4	9	5.0	7.0	*36			7.5	10.5	*39			4.0	7.5	29	0	2	1.5	3.0
11	151	3	12	7.5	12.0	108	11	15	10.0	15.0	86	4	17	4.5	8.5	72	4	15	2.5	5.0	39	2	7	7.0	10.5	31	7	3	9.5	14.0	34	5	3	2.0	4.0	31	3	4		
12	150	3	12	7.5	11.5	104	10	10	9.0	15.0	83	3	19	16.0	19.0	71	5	13	12.5	16.0	41	9	5	7.0	10.0	31	26	4	3.5	6.0	35	2	4	5.0	7.0	29	5	1	2.0	3.0
13	148	4	17	8.0	12.5	105	7	11	8.0	13.0	77	9	14	5.5	10.0	74	2	20	5.0	11.0	38	3	8	7.0	9.0	33	9	5	4.0	7.5	34	4	3	3.0	4.5	29	9	0	2.0	3.5
14	150	2	16	8.0	12.0	106	6	8	8.0	14.5	78	9	12	6.0	10.0	76	1	20	3.5	6.5	38	5	7	4.5	7.5	33	10	7	1.5	3.0	37	2	5	3.0	5.0	31	7	3	3.0	6.0
15	148	4	12	8.0	12.5	105	6	9	7.5	13.0	72	15	10	6.0	10.0	71	6	18	4.5	9.0	37	6	4	2.0	4.0	34	3	6	3.0	5.5	37	4	2	2.0	3.0	30	7	2	1.5	3.5
16	148	5	12	7.5	12.5	106	6	14	9.5	15.0	77	10	9	7.0	11.5	67	11	11	4.5	11.0	41	8	4	6.0	8.0	41	3	7	2.0	4.0	41	7	4	3.0	4.5	31	14	2		
17	148	5	8	6.0	10.0	107	7	8	9.0	16.0	76	10	11	7.0	12.5	72	6	12	3.0	7.0	47	8	5	3.0	5.5	51	6	6	3.0	6.0	45	12	5	3.0	5.0	29	17	1	4.5	6.0
18	148	5	9	6.0	10.0	111	9	9	7.0	11.5	80	10	14	5.0	10.0	73	5	4	4.0	8.0	53	9	5	2.5	5.0	51	6	3	2.5	5.0	42	8	6	3.0	5.0	29	16	1	3.0	4.0
19	146	9	6	6.0	10.0	116	6	11	6.5	11.5	87	9	13	5.5	10.5	74	19	1	5.0	10.5	59	4	4	4.5	8.5	53	8	2	3.0	6.0	43	11	9	1.5	3.0	29	16	1	4.0	5.0
20	150	5	8	7.0	11.0	117	8	10	6.0	11.0	88	15	13	5.5	10.5	81	5	8	5.0	9.5	61	7	11	3.5	6.5	53	5	2	4.0	6.0	48	8	11	2.5	4.0	29	16	2	3.5	5.0
21	151	6	9	6.0	11.0	119	7	10	7.0	12.5	88	19	9	5.0	11.0	82	8	7	3.5	7.0	63	8	2	4.0	7.0	56	5	5	3.0	6.0	42	11	8	3.0	5.0	29	19	2	3.0	4.5
22	152	4	6	7.5	12.0	118	10	7	7.5	11.5	90	13	8	6.0	12.0	80	8	3	4.0	7.5	63	10	4	3.5	7.0	55	4	2	2.5	5.5	39	9	5	3.0	5.0	29	16	2	2.0	3.0
23	151	5	12	8.0	12.0	121	8	7	5.5	9.5	92	11	12	4.0	8.0	82	7	8	5.0	9.0	63	7	3	3.0	5.5	56	4	4	3.5	5.5	37	16	4	2.0	4.0	29	15	2	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50S Long. 67.5-82.5W Month August 1963

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					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_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	150			8.5	14.0	126			7.0	11.5	102					86			4.0	7.5	63					55					39					29				
01	150			9.0	15.0	126			11.0	17.0	102			6.0	10.0	86			3.0	6.5	63					55					53					31				
02	152			7.5	12.0	124			9.5	15.0	102			5.5	10.5	84			4.5	8.0	63					59					43					31				
03	152			8.5	14.0	128			8.0	12.5	102			7.5	13.0	84			5.0	9.0	61					57					53					29				
04	154			8.0	12.5	130			9.0	14.0	100			7.0	13.0	82			4.5	8.0	63					57					45					29				
05	154			8.0	13.0	130			8.0	12.5	98			6.0	11.0	76			5.5	10.0	61					59					41					29				
06	154			8.5	13.5	128			10.0	15.0	94					74			5.0	10.0	63					57					37					29				
07	154			9.0	15.0	124			10.5	16.5	86			8.0	13.5	60			4.5	9.5	61					57					41					31				
08	152			10.5	16.5	118			10.0	15.5	86			7.0	11.0	60			4.0	11.0	46					53					43					27				
09	148			10.5	16.0	116			11.0	18.0	72			7.5	10.0	67			3.0	6.5	34					39					34					29				
10	148					112			13.0	19.5	70			9.0	13.0	54			3.0	6.0	33					29					29					27				
11	148			12.0	18.0	104					70			10.0	11.5	57					33					27					29					29				
12	148			10.0	15.5	101					71			9.0	11.5	57					36					28					29					27				
13	148			9.0	14.5	102					71			5.0	6.5	66					32					27					30					28				
14	150			10.5	17.0	106			9.0	13.0	76					55					31					29					32					28				
15	150					106			9.5	14.5	72					56					33					33					33					31				
16	152			5.5	10.0	102			8.0	12.5	72					56					39					35					37					29				
17	152			5.5	9.5	102			5.0	9.0	72			9.5	11.0	60					41					41					41					31				
18	150			5.5	9.0	104			7.5	12.0	82					74					51					49					49					31				
19	148			6.0	11.0	108					86			7.0	13.0	74			4.5	9.5	53					49					53					29				
20	148			7.0	12.0	112			7.0	11.0	90			6.0	12.0	80			5.0	9.0	57					51					49					31				
21	152			7.0	11.0	118			6.0	11.0	94			8.0	9.5	82			4.5	7.5	61					53					55					29				
22	152			8.0	13.5	120					96			4.5	8.0	84			5.0	9.0	63					55					47					29				
23	150			8.0	13.5	122			8.0	12.0	96			4.5	8.5	84			5.0	10.0	63					55					39					29				

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	153			6.0	7.0	126			8.0	12.0	108			5.0	8.5	94			5.5	9.0	74					57					33					28				
01	151			8.5	13.0	126			6.5	11.0	106			5.0	8.5	93			9.5	16.0	76					59					33					28				
02	152			9.0	14.0	127			9.5	15.5	104			4.0	7.5	93			4.5	7.5	72					60					32					28				
03	152			7.0	13.0	123			9.0	13.0	97			7.0	9.0	88					72					60					31					27				
04	147			9.0	14.5	121			7.5	13.0	99			7.0	12.0	82					71					60					31					28				
05	152			8.5	13.5	124			7.0	11.5	99			6.0	10.0	84			5.0	9.5	71					60					32					28				
06	152			8.0	12.5	123			7.5	12.0	95			7.0	12.0	72			4.0	8.0	70					56					34					27				
07	147			8.5	14.0	114			8.0	13.5	79			5.0	8.5	61			5.0	9.5	60					54					36					27				
08	148			9.0	14.5	114			9.0	14.0	72					62			4.5	7.5	44					42					41					26				
09	139			9.0	13.5	107			14.0	19.0	78					56					34					36					37					26				
10	149			9.0	14.0	110					88					62			3.5	6.5	40					39					41					26				
11	151			9.0	14.0	112			12.0	16.0	74					62					38					35					35					28				
12	149			10.0	15.0	108			9.0	14.5	77					61					34					35					32					28				
13	149			9.0	14.0	110			10.5	14.5	75			2.0	3.5	56			2.0	5.0	36					31					32					28				
14	150			10.5	16.0	115			12.5	17.5	82			1.5	2.5	66					31					32					34					30				
15	148			8.5	13.5	107					86					72			4.5	6.5	33					31					42					29				
16	150			9.0	15.0	113			14.0	20.0	84					76			9.5	17.0	41					36					40					31				
17	149			10.0	14.5	113			8.0	13.0	82			7.0	13.5	72					47					48					43					29				
18	147			9.0	8.0	110			4.5	8.0	76			16.5	23.5	68					55					51					37					28				
19	149			7.0	11.0	114					83			5.0	8.0	74					60					52					37					28				
20	152			7.0	11.0	117			10.5	15.5	89					79					64					54					35					28				
21	152			7.5	7.5	119			8.0	13.0	89			8.0	13.5	82			7.5	12.0	67					59					33					28				
22	150			8.0	8.0	117			8.5	13.0	93			8.0	13.0	90			10.0	16.0	68					56					35					28				
23	147			8.5	8.5	120			7.5	12.0	93					83			9.0	15.5	70					57					33					28				

F_{om} = median volue of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = rotio of median to lower decile in db
V_{dm} = medion deviation of average voltage in db below meon power
L_{dm} = median deviotion of overoge logorithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50S Long. 22.5-37.5 W Month August 1963

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	155			6.0	11.0	124			5.0	9.0	96			6.0	10.0	80			5.5	9.5	68					57					33					28				
01	155			8.5	14.0	122			7.0	11.5	94			5.0	9.0	81			4.0	7.5	66					57					35					28				
02	155			8.0	14.0	122			5.5	9.5	94			5.0	8.0	84			3.5	7.0	65					59					34					28				
03	153			8.0	14.0	122			6.5	10.5	93			4.0	8.0	80			4.0	7.0	66					62					33					28				
04	155			9.0	14.0	123			8.0	12.0	97			4.5	8.5	80			4.0	8.0	66					58					38					27				
05	156			9.0	14.0	123			6.0	10.5	98			7.0	13.0	80			5.5	10.5	65					59					36					27				
06	156			9.0	15.5	125			7.5	12.5	97			5.0	9.0	81			5.0	10.5	66					60					42					27				
07	159			9.0	15.0	126			9.5	15.0	99			6.5	11.5	73			4.5	8.5	69					56					34					26				
08	156			9.5	15.5	114			10.0	16.0	84					60			6.0	12.0	62					55					43					26				
09	150			9.5	15.5	114			9.5	16.0	84			8.0	13.0	67			4.5	11.0	42					43					43					26				
10	149			9.5	15.0	114			10.5	16.5	86			8.0	13.5	62			5.5	9.0	32					40					41					28				
11	143			10.5	16.0	106			11.0	17.5	86			12.5	19.0	72			4.0	8.0	32					38					41					28				
12	153			12.0	17.0	113			10.0	16.0	85			9.0	14.5	64			3.5	7.0	30					34					36					28				
13	155			10.0	15.0	116			9.5	15.0	88			11.5	18.5	68			4.0	8.5	24					33					37					30				
14	154			8.5	13.0	117			9.0	14.0	84					65			3.0	7.0	27					31					37					30				
15	155			8.5	13.5	120			10.0	15.0	86			7.0	12.0	68			5.0	8.5	28					31					37					30				
16	153			9.0	14.5	116			10.0	16.0	88					73			5.5	10.5	28					31					39					30				
17	153			7.5	13.0	118			12.0	19.0	86			10.5	17.0	58			4.0	9.0	34					41					41					30				
18	151			7.0	11.0	112			8.5	14.0	80					58			4.5	9.0	46					47					43					28				
19	151			7.0	11.0	112			8.0	13.0	88			7.0	13.0	60			3.0	7.0	54					53					43					28				
20	153			7.5	12.0	122			8.0	13.5	88			3.0	5.0	74			3.5	7.0	62					60					41					28				
21	155			8.0	12.5	118			5.5	10.0	90			4.0	8.0	79			4.0	7.0	62					61					43					28				
22	155			8.0	13.0	122			8.5	12.5	88			4.5	8.0	82			4.0	8.0	66					60					41					28				
23	155			7.0	12.0	120			5.5	8.5	92			5.5	10.0	78			5.0	9.0	68					61					37					28				

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	154	6	4	8.0	13.5	125	3	5	11.0	16.0	102	4	4	*5.5	*10.5	78	7	3	7.0	9.5	64	8	4	5.5	11.5	57	5	2	5.0	9.0	44	4	8	3.5	7.5	19	2	2	2.0	3.0
01	154	4	2	7.5	13.0	123	6	6	*10.0	*16.0	104	2	6	*6.5	*11.5	75	8	8	7.0	12.0	62	4	6	6.5	11.0	55	4	2	5.0	9.5	40	6	4	4.0	7.0	19	1	2	1.5	3.0
02	154	2	2	8.0	13.5	119	4	4	8.5	13.0	94	10	6	*3.0	*9.5	62	9	9	2.5	6.0	58	5	3	6.0	11.0	53	4	2	5.5	8.5	38	8	4	4.5	7.5	19	1	3	2.0	3.0
03	153	1	3	8.5	14.0	117	8	4	11.0	15.5	81	7	7	*6.0	*9.5	53	8	4	1.5	4.0	52	6	6	7.0	13.0	50	3	3	5.5	9.5	38	9	4	4.0	7.0	19	1	3	1.5	3.0
04	152	4	2	*8.5	*14.5	117	8	4	14.0	20.5	78	15	6	*3.0	*6.0	53	20	2	2.5	5.0	*40			6.0	13.0	45	6	4	6.0	10.0	38	9	4	4.5	7.0	19	2	2	1.0	3.0
05	152	2	2	10.5	16.5	117	11	6	13.0	21.0	78	14	6	*4.5	*6.5	51	19	2	3.0	5.0	*36			6.0	12.0	39	12	4	*6.5	*11.0	38	11	6	4.0	6.5	19	2	3	1.5	3.0
06	150	4	2	*11.5	*18.0	117	12	12	*14.0	*21.5	80	20	8	*5.0	*8.0	51	18	2	3.0	5.0	*36			6.0	11.0	37	6	8	*3.0	*6.0	36	8	4	4.5	7.0	19	2	4	1.5	3.0
07	150	6	2	11.0	17.0	117	12	8	*16.0	*22.0	79	14	6	*4.0	*8.0	52	14	1	3.0	5.0	36	12	8	5.0	10.0	33	12	6	*4.5	*7.0	36	18	6	5.0	7.0	19	2	2	2.0	3.5
08	152	2	4	10.5	17.0	117	8	6	*14.5	*21.5	80	9	7	*4.0	*7.0	52	10	1	2.5	4.0	32	16	2	5.0	9.5	31	8	6	4.0	6.5	34	12	2	*4.0	*6.5	19	4	2	1.0	3.0
09	152	8	4	11.5	17.5	119	8	3	*14.5	*21.0	*83					53	8	2	4.0	6.0	36	14	4	4.0	7.0	33	7	6	*6.0	*9.0	*38			*5.0	*8.5	19	2	2	1.5	3.0
10	154	6	2	*12.5	*18.5	123	6	2	*13.5	*21.5	87	10	8	*5.5	*8.5	57	14	5	4.0	8.0	*36			3.5	7.5	31	7	2	*7.0	*10.0	42	4	8	5.0	9.0	21	2	4	2.0	3.5
11	158	3	6	12.0	18.0	127	8	4	12.5	19.5	92	8	6	*15.0	*23.0	59	24	8			36	26	6	9.0	14.5	35	16	5	*9.0	*14.5	40	9	4	6.0	10.0	20	11	2	2.0	4.0
12	160	4	5	*10.5	*17.0	129	4	5	*10.5	*18.0	96	14	14	*9.0	*15.0	67	27	18	12.5	24.0	*43			10.0	17.5	41	17	10	*7.0	*11.5	42	9	6	*5.5	*9.0	21	5	2	2.0	4.0
13	160	5	4	*9.5	*15.0	129	5	4	*11.0	*16.5	98	16	11	*11.0	*18.5	69	27	18	10.5	21.5	42	26	9	6.0	9.5	43	11	10	7.0	11.0	42	6	4	5.0	9.0	19	9	2	2.0	4.0
14	160	4	1	*9.0	*15.0	129	10	4	10.0	16.0	96	18	10	10.0	19.0	61	34	8	13.0	24.0	38	32	6	15.0	23.0	43	10	8	8.0	13.5	44	4	4	4.0	8.0	21	6	4	2.0	3.5
15	160	4	2	9.0	14.0	129	8	4	*9.0	*16.0	94	22	6	*12.0	*19.0	59	38	6	4.0	6.5	42	23	8	8.0	12.0	43	13	4	8.0	14.0	45	3	5	4.0	7.0	19	9	3	1.5	3.5
16	160	4	4	9.0	15.0	127	10	4	9.5	16.0	92	12	8	*7.5	*12.0	61	24	6	4.0	7.0	40	28	7	7.5	14.0	45	6	6	6.5	11.5	48	10	4	5.0	8.5	21	4	2	2.0	3.5
17	160	2	4	9.0	14.0	128	5	5	9.5	16.0	94	7	12	*8.5	*14.0	57	18	6	8.5	13.5	44	8	8	5.5	10.0	47	6	4	6.0	11.0	50	9	6	*4.0	*7.5	22	5	2	2.5	4.0
18	158	4	3	9.0	14.5	127	4	5	11.0	17.5	88	10	8	*7.0	*11.0	59	10	6	7.0	13.0	48	10	10	4.0	8.5	50	6	5	6.0	11.0	48	4	4	3.5	7.0	23	4	4	2.0	4.0
19	156	4	2	9.0	14.5	125	5	5	11.0	17.0	87	7	7	*6.5	*11.0	57	14	2	4.0	6.0	50	8	8	5.5	9.5	53	4	4	4.5	8.0	50	8	4	4.0	7.0	23	4	4	1.5	4.0
20	155	5	3	8.0	12.5	123	4	5	10.5	16.0	90	6	2	*2.0	*10.5	65	4	6	0.5	1.5	54	5	7	3.5	6.5	57	2	4	3.0	6.5	49	18	3	4.5	8.0	23	4	4	1.5	3.5
21	156	4	4	8.0	12.5	121	6	2	*10.0	*15.0	96	8	2	6.0	11.0	75	12	4	4.5	7.0	60	8	4	3.0	7.0	61	1	4	4.0	7.5	52	18	8	*4.5	*8.0	21	4	4	1.5	3.0
22	154	6	2	8.0	13.0	127	4	6	10.0	15.0	101	5	3	5.0	9.0	79	4	10	5.5	9.5	62	9	3	4.0	8.0	61	2	4	4.0	7.5	48	22	6	*7.0	*10.0	19	2	2	1.5	3.0
23	155	5	3	9.0	14.0	125	6	4	11.0	16.0	104	4	8	6.0	10.0	77	12	7	5.5	8.0	65	10	4	5.0	9.5	59	3	3	5.0	8.0	46	16	8	4.0	6.5	19	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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	154	5	3	*9.0	*14.5	127	6	4	11.0	18.0	104	10	7	*6.5	*12.0	81	10	8	7.0	11.0	66	6	6	4.0	8.5	58	4	4	5.0	10.5	58	9	20	1.5	3.5	19	1	2	1.0	3.0
01	155	4	4	10.0	16.0	127	5	8	11.0	17.5	104	8	7	*6.0	*11.5	79	8	10	7.5	11.5	66	4	6	*4.0	*8.0	56	4	3	5.5	9.0	54	12	19	2.0	4.5	19	0	4	1.0	3.0
02	155	4	4	9.0	15.0	124	8	5	10.0	16.0	100	9	4	*7.0	*12.0	70	13	10	6.5	11.0	62	6	6	*5.5	*10.0	55	4	4	4.5	7.5	52	14	18	1.5	4.0	17	2	2	1.0	3.0
03	155	4	4	9.5	15.5	121	8	4	12.0	17.5	90	18	11	*7.0	*12.0	54	27	7	*2.5	*5.0	56	6	6	*5.5	*11.0	52	5	4	4.0	7.5	50	13	19	2.0	4.5	17	2	2	1.0	2.5
04	153	4	4	10.5	17.5	120	11	5	14.0	20.0	82	25	9	*6.0	*10.0	53	32	4	*4.0	*7.0	44	10	6	*6.5	*12.5	46	6	2	4.5	7.5	46	14	12	2.0	5.0	17	2	2	1.0	2.5
05	152	3	3	10.5	17.0	119	10	6	14.0	21.0	81	26	9	*7.5	*11.0	51	33	2	*4.0	*6.0	40	14	10	*7.0	*12.0	42	6	6	7.0	13.0	42	16	8	2.0	5.0	17	2	2	1.5	3.0
06	151	8	2	11.0	17.5	119	10	8	*13.0	*21.0	79	21	7	*5.5	*9.0	51	28	2	*4.0	*6.0	36	16	9	*6.5	*13.0	38	10	6	6.0	9.0	47	9	13	2.0	5.0	17	3	2	1.5	3.0
07	151	5	3	10.5	17.0	119	9	6	13.5	22.5	74	30	4	*5.0	*8.0	51	26	2	*2.5	*5.0	34	13	6	*7.5	*13.5	36	6	6	*5.0	*9.5	40	14	6	2.5	5.0	19	2	4	1.5	3.0
08	153	5	4	11.0	17.5	119	6	6	11.5	18.0	80	26	9	*7.5	*11.0	53	14	4	*4.0	*6.5	30			*5.0	*7.5	34	12	4	*10.5	*15.5	40	8	8	2.5	5.0	17	6	2	1.5	3.5
09	153	6	4	10.0	16.0	123	4	8	10.5	18.0	82	21	12	*13.0	*20.0	55	14	6	*5.0	*7.5	*32			*3.0	*7.0	34	10	6	*7.0	*11.0	38	8	6	*4.5	*7.5	18	3	3	*1.5	*3.0
10	155	4	4	10.5	17.0	125	6	6	9.0	16.5	*86			*9.0	*15.0	55	10	6	*7.0	*9.5	*38					34	12	6	*10.0	*12.5	*40			*5.0	*8.0	18	5	4	2.0	4.0
11	159	4	7	*10.0	*16.5	127	6	7	*8.0	15.0	90	17	13	*7.0	*12.5	61	18	12	*6.0	*9.5	*35					38	11	11	6.5	13.5	42	6	8	*4.5	*8.0	18	5	3	1.5	3.5
12	159	8	4	7.5	14.0	129	6	6	7.0	13.0	92	12	8	*9.5	*15.5	62	19	12	*5.0	*9.0	*42			*4.5	*9.0	36	13	7	*7.0	*13.0	41	7	6	*4.0	*7.5	17	10	2	2.0	3.5
13	159	8	1	8.5	15.0	129	4	4	9.0	15.0	95	12	12	*11.5	*18.0	65	22	14	*10.5	*17.0	36	20	6	*5.0	*8.5	37	12	8	*5.5	*11.0	42	4	7	*3.5	*7.5	18	6	3	1.5	3.5
14	161	4	3	8.0	14.5	131	4	6	8.0	13.0	98	14	12	8.5	14.0	67	23	14	*5.5	*11.0	*46			*3.0	*4.0	40	11	8	*6.0	*12.0	42	6	2	*3.0	*7.0	19	6	4	1.5	3.0
15	160	7	1	7.5	14.0	131	8	5	7.0	13.0	100	14	12	7.5	15.0	67	30	16	6.0	12.5	44	14	10	*6.5	*10.0	42	10	8	*4.5	*8.0	44	4	4	*3.5	*7.5	19	6	4	1.0	3.0
16	161	3	2	8.0	13.5	129	10	4	7.5	14.0	96	12	11	11.5	19.0	63	22	10	*11.0	*21.0	40	24	8	*7.0	*11.0	44	10	6	6.0	12.5	46	2	4	*4.0	*7.0	19	24	4	2.0	3.5
17	159	4	0	7.5	14.0	129	3	6	7.0	13.0	96	19	10	10.0	17.0	61	28	10	*6.0	*13.0	44	12	9	*5.5	*10.5	46	8	4	6.5	12.5	46	8	3	*3.5	*7.0	21	5	5	2.0	3.5
18	159	2	4	9.0	15.0	129	6	7	11.0	18.5	92	14	12	8.5	14.5	59	28	8	*9.0	*17.0	58	5	16	*5.0	*9.0	50	6	4	5.0	9.0	48	3	3	*4.0	*7.5	21	6	4	1.5	3.5
19	159	1	6	9.5	15.5	127	6	5	10.0	17.0	90	13	7	*7.0	*11.0	57	22	4	*6.0	*9.5	48	12	4	3.5	8.5	52	6	4	4.0	8.0	49	3	3	*3.5	*7.0	21	3	4	2.0	4.0
20	155	4	2	9.5	15.0	123	8	4	11.0	17.5	95	12	5	6.0	11.5	69	18	8	*4.0	*8.0	56	10	5	*5.5	*9.0	58	4	4	3.0	6.5	50	8	7	*3.0	*6.5	21	4	4	1.5	3.0
21	155	4	2	9.0	14.0	125	6	4	8.0	13.5	100	12	4	6.0	11.5	79	11	6	*6.0	*11.0	62	6	5	*4.0	*8.0	60	4	3	4.0	8.0	50	24	4	*1.5	*4.0	19	2	3	1.5	3.0
22	155	4	2	9.5	15.0	129	4	6	10.0	17.0	104	8	2	*7.5	*12.5	81	11	8	*7.0	*13.5	66	4	4	4.0	8.0	60	4	4	5.0	9.0	56	11	11	1.0	3.5	19	2	4	1.5	3.0
23	155	4	2	*10.0	*16.0	129	4	3	10.0	16.0	106	6	4	5.5	9.5	79	10	6	7.0	12.0	66	4	4	*4.5	*10.0	60	2	5	*5.0	9.5	62	2	22	1.5	4.5	17	4	2	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month August 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	4	2	8.5	14.0	129	4	8	10.0	17.0	111	4	8	*7.0	*12.5	85	6	8	7.5	13.5	65	6	6	*4.5	*9.0	55	6	4	3.5	6.5	40	20	7	*2.0	*4.0	18	5	1	1.0	2.5
01	155	4	2	8.5	14.0	128	7	5	11.0	18.0	109	5	5	*7.5	*12.0	85	8	8	9.0	15.0	65	8	4	*5.0	*10.0	55	4	3	4.0	8.0	41	17	9	1.0	3.0	18	6	2	1.0	2.5
02	155	4	4	9.0	15.0	129	4	6	10.0	17.5	107	6	6	6.5	12.0	81	9	6	7.5	14.0	65	6	6	5.5	10.5	53	6	3	5.0	8.5	40	13	10	2.0	3.5	18	7	2	1.5	3.0
03	155	4	4	10.0	16.0	125	6	6	11.0	18.0	105	10	7	*9.0	*16.0	73	15	12	*7.5	*15.0	63	6	5	*6.0	*11.0	53	4	4	*6.0	*10.0	34	19	5	2.0	3.5	18	5	2	1.5	3.0
04	155	3	4	9.5	15.5	123	10	6	10.5	17.0	93	17	6	*9.0	*14.5	59	32	10	*7.0	*12.0	55	10	6	*6.0	*11.0	49	6	4	3.5	7.5	37	15	5	2.0	4.0	16	8	0	1.0	2.5
05	153	6	2	9.5	15.5	123	9	8	12.5	20.0	91	20	10	*6.5	*13.0	55	32	6	*4.0	*6.0	45	10	10	*4.0	*7.0	45	6	6	*7.0	12.0	40	17	6	*2.0	*4.0	16	7	0	1.0	3.0
06	153	2	4	10.5	17.0	121	7	10	12.0	19.5	88	19	9	*11.0	*19.5	53	29	4	*2.0	*4.5	41	10	6	*12.0	*18.0	41	10	6	*6.0	10.0	44	8	12	*5.0	*8.5	16	6	0	0.5	2.0
07	151	4	2	11.0	17.5	119	7	5	*12.5	*21.5	83	20	9	*5.0	*10.0	51	23	2	*4.5	*7.5	36	10	6	*4.5	*9.0	38	7	7	*11.0	15.0	40	14	8	*4.0	*6.0	18	3	2	1.0	3.0
08	151	6	2	10.5	16.5	119	6	6	*11.0	*20.0	88	12	15	*7.0	*11.0	*52					37	8	10	*4.5	*7.5	35	8	8	*8.5	14.5	38	12	6	*0.5	*3.0	18	5	2	1.5	3.0
09	151	2	4	10.5	16.5	*118			*11.0	*18.5	*82			*3.5	*7.0	*51			*3.5	*6.0	*31			*4.0	*7.5	*31			*13.0	18.0	*36			*2.0	*4.0	18	5	4	*2.0	*3.0
10	151	4	4	*10.5	*17.0	*118			*12.0	*20.0	*87			*11.0	*18.0	*51					*31			*4.0	*7.5	27	12	4			*36			*4.0	*6.0	18	4	2	*2.0	*4.0
11	152	3	2	11.0	16.5	123	2	6	*11.0	*17.5	*87			*5.0	*9.0	53	18	2	*12.5	*20.5	*33			*5.5	*8.5	27	14	2	*15.0	*19.0	36	6	4	*5.0	*7.5	18	6	2	2.0	4.0
12	155	4	4	10.0	17.0	125	4	4	*10.5	*16.5	92	13	9	*9.5	*18.0	*58			*2.5	*4.5	33	8	4	*7.5	*10.5	31	11	8	*9.0	*15.0	36	5	4	*6.5	*9.5	18	7	2	*2.5	*4.0
13	155	4	2	9.0	15.0	125	3	2	11.5	18.0	93	14	16	*10.0	*18.0	69	14	17	*7.0	*13.0	35	12	4	*3.5	*6.0	36	9	9	*9.0	*14.0	38	4	6	*5.0	*9.0	18	6	2	2.0	3.5
14	155	6	2	8.5	14.0	127	7	6	10.5	17.0	97	12	15	*8.5	*13.5	67	18	16	*3.0	*5.5	38	15	6	*5.0	*8.0	40	13	11	*7.0	*13.0	42	5	6	*5.0	*9.0	18	9	2	2.0	3.5
15	157	4	4	8.5	14.0	127	4	4	10.5	17.0	97	14	15	*10.0	*18.0	65	18	14	*4.5	*7.0	44	7	9	*8.0	*12.5	40	9	7	*5.5	*10.5	42	4	4	*3.0	*7.0	18	4	3	1.5	3.0
16	158	3	5	9.0	14.0	129	6	8	10.0	17.0	101	9	16	*8.0	*12.0	69	14	16	*11.0	*16.5	45	9	13	*4.5	*7.0	45	6	8	*5.5	*11.0	44	4	4	*4.0	*8.0	18	8	2	1.0	3.0
17	159	2	8	8.5	14.0	129	4	8	11.0	17.0	101	8	20	*11.0	*17.0	73	12	18	*6.0	*12.0	43	15	4	*5.0	*9.0	49	6	6	5.0	10.5	46	4	4	4.0	7.5	20	6	3	*1.5	*3.0
18	155	6	4	8.0	13.0	127	6	8	10.0	17.0	99	12	10	*10.5	*21.5	70	16	14	*6.0	*11.5	51	6	11	*4.0	*8.0	53	4	4	5.0	9.5	48	2	4	4.0	8.0	20	6	2	2.0	4.0
19	155	4	4	8.0	13.0	127	6	8	*9.0	*15.0	103	10	10	7.0	13.5	77	11	8	*3.0	*4.5	55	9	7	4.5	8.5	57	5	5	5.0	9.0	48	3	5	4.0	7.0	20	6	2	2.0	3.5
20	155	4	4	7.5	13.0	129	4	8	*9.0	*16.0	107	6	8	*6.0	*11.0	81	8	6	*5.0	*9.5	63	8	4	*4.5	*9.0	61	4	6	5.5	10.0	48	8	6	*3.5	*7.0	20	6	2	1.0	3.0
21	155	4	4	8.0	13.5	129	4	6	9.0	16.5	109	8	4	*7.0	*12.5	85	8	8	*8.0	*12.0	67	4	6	*5.5	*10.5	59	5	4	6.0	9.0	48	6	9	*2.0	*4.0	18	3	0	1.0	3.0
22	155	4	4	8.5	13.0	129	8	4	10.0	16.0	109	6	5	*6.0	*11.5	83	10	6	5.5	11.5	67	4	4	*5.0	*10.0	57	8	5	4.5	7.5	49	11	11	*2.0	*4.0	18	4	0	1.0	2.5
23	154	6	3	*8.0	x 13.0	127	10	4	9.0	15.5	109	4	6	*6.0	*11.0	83	10	6	*7.0	*11.5	66	7	6	*4.0	*9.0	55	6	4	4.5	8.0	48	16	14	2.5	4.5	18	5	0	1.0	2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																							
	.135					.500					2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	105	11	8			83	13	6			63	11	6			56	8	5			30	2	1			23	1	1												
01	102	13	5			82	15	6			62	11	5			56	9	6			30	2	1			24	0	1												
02	101	12	8			80	17	4			63	11	8			55	9	5			30	3	1			24	0	1												
03	99	15	8			80	17	5			61	15	6			53	12	3			30	2	1			24	0	1												
04	99	15	6			77	19	6			59	14	6			52	14	2			32	3	1			24	1	1												
05	97	17	6			73	20	7			59	14	8			53	13	5			32	3	1			24	1	1												
06	95	15	6			67	22	7			56	14	5			54	10	4			33	3	1			24	1	1												
07	91	11	5			58	10	4			47	10	3			52	10	4			35	6	2			24	1	1												
08	86	9	5			56	6	4			41	6	4			51	9	2			34	6	3			24	1	1												
09	88	7	7			56	4	5			38	3	4			38	6	2			33	3	3			24	1	1												
10	86	9	5			56	3	4			35	3	3			36	5	2			32	4	2			24	1	1												
11	85	11	3			56	2	4			34	1	4			33	5	4			31	4	2			24	1	1												
12	85	10	3			55	3	3			33	1	4			32	5	3			35	4	2			26	1	1												
13	85	10	3			55	3	3			33	3	2			33	5	4			35	4	2			26	1	1												
14	86	7	3			54	2	2			34	2	2			34	5	3			37	4	2			26	2	1												
15	85	10	2			55	3	3			37	1	5			37	5	3			39	7	2			24	0	1												
16	88	10	4			58	4	4			39	7	4			55	7	2			36	14	2			24	1	1												
17	92	7	6			60	8	6			49	5	5			54	4	3			37	17	3			23	2	1												
18	94	10	6			72	9	11			55	9	3			58	4	5			37	14	3			23	2	1												
19	97	13	7			68	10	10			60	8	4			58	5	5			35	10	3			23	1	1												
20	103	9	9			80	9	9			63	8	4			57	7	3			32	2	1			23	1	1												
21	105	5	6			79	13	6			63	9	5			57	7	4			31	2	1			23	0	1												
22	104	9	5			80	12	5			63	8	7			58	5	5			30	3	1			23	1	1												
23	106	8	7			80	14	4			62	11	5			57	7	4			30	2	1			23	1	1												

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

***This sheet is a correction for corresponding sheet appearing in Technical Note 18-17

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	2	3	8.0	13.0	127	4	4	9.0	14.0	99	8	2			73	10	4	*8.5	*12.0	56	6	4			53	2	2			39	4	2			23	2	2		
01	155	3	2	8.0	13.5	127	4	4	10.0	15.0	100	7	3			77	10	6	10.5	17.0	56	6	2			53	2	2			39	2	4			25	0	4		
02	155	3	2	9.0	14.0	127	4	2	10.0	16.0	101	4	6			76	5	5	*10.0	*16.0	56	6	4			53	2	2			39	4	2			25	0	4		
03	155	2	3	9.5	15.5	129	4	4	11.0	17.0	101	6	4			77	4	8	10.5	19.5	56	8	4			51	4	2			39	4	6			25	0	4		
04	155	3	2	11.0	18.0	129	4	4	12.0	19.0	101	8	4			77	6	6	*10.0	*16.5	58	4	4			51	4	4			37	4	4			25	0	4		
05	155	2	2	13.0	20.0	129	2	4	12.0	18.0	99	6	4			72	13	7	*9.0	*13.0	58	4	4			49	4	4			35	4	2			25	0	4		
06	155	3	4	12.5	18.5	121	2	4	11.5	18.0	79	6	6			57	4	6	3.0	5.5	52	6	6			45	6	4			35	4	2			23	4	2		
07	151	2	2	12.0	18.0	115	4	4	14.0	19.0	71	14	8			52	7	5	3.5	5.0	44	4	6			37	6	6			33	2	4			23	0	4		
08	151	2	2	10.0	15.0	107	8	4	9.5	12.5	67	16	4			51	2	2	*4.5	*7.5	36	8	4			27	8	4			29	2	4			23	2	4		
09	151	3	2	9.0	14.0	107	6	4	*13.0	19.0	65	16	4			51	8	4	*4.0	*7.5	32	8	2			23	8	2			25	4	4			23	0	4		
10	151	3	2	8.5	13.5	109	4	4	8.0	11.5	65	12	4			49	2	2	*6.0	*9.5	30	10	2			21	6	2			23	2	4			21	2	2		
11	151	4	2	9.0	14.0	111	6	4	10.5	14.5	65	14	4			49	3	2	*3.0	*6.0	30	4	4			21	2	2			21	2	4			21	2	4		
12	151	3	2	*9.0	*14.0	109	8	3	8.5	12.5	63	14	2			49	3	2	*3.5	*6.5	30	4	2			21	2	3			19	2	4			21	2	2		
13	151	3	2	8.5	13.5	112	5	6	12.0	16.5	65	11	4			49	2	4	3.0	6.0	28	4	2			21	2	2			19	2	2			22	1	3		
14	151	2	4	9.0	14.0	111	6	6	*8.0	*12.0	63	17	2			47	4	2	*4.0	*8.0	28	4	2			21	4	2			19	5	2			23	2	4		
15	151	2	4	10.0	15.5	109	4	4	10.0	14.5	61	11	2			47	4	2	*4.0	*7.0	28	6	2			23	2	2			23	6	4			23	4	2		
16	151	2	4	10.5	16.0	107	10	4	*9.0	*14.0	59	18	2			47	6	2	*6.5	*11.0	32	6	4			27	6	6			31	4	6			23	4	2		
17	149	4	3	10.5	16.5	105	10	4	8.5	12.0	59	18	2			49	10	2	3.5	7.0	36	4	6			31	10	6			35	4	4			25	2	4		
18	149	4	3	10.0	15.5	105	4	4	6.5	10.5	66	11	5			53	8	2	3.5	7.0	42	6	6			41	6	4			40	3	3			25	2	4		
19	149	2	2	9.0	15.0	111	8	2	7.5	12.5	84	13	6			63	10	4	*6.0	*10.0	48	8	4			49	4	6			41	2	4			25	2	4		
20	149	5	2	8.0	13.5	119	4	4	8.0	12.0	95	4	6			69	11	10	*7.0	*12.0	52	6	2			51	2	4			40	3	1			25	2	2		
21	151	3	2	7.5	13.0	121	8	4	7.5	12.0	97	4	6			73	6	10	*6.0	*10.0	54	6	4			49	6	2			39	4	2			25	0	2		
22	153	3	4	7.5	12.5	123	2	4	9.5	14.0	97	6	2			75	4	8	10.0	14.5	56	4	2			51	4	4			39	2	2			25	0	2		
23	153	4	2	7.0	13.0	123	8	2	7.5	13.5	99	8	2			75	10	6	8.5	14.5	56	6	4			51	4	4			39	4	2			25	0	4		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	152	2	0	8.0	13.0	126	4	3	9.5	15.5	102	6	4			80	8	6	11.0	18.0
01	154	2	2	9.0	14.0	126	5	2	9.0	14.0	103	4	3			82	6	10	10.5	17.5
02	154	1	2	9.5	15.5	128	2	4	9.5	15.0	102	7	2			82	8	7	10.0	17.5
03	153	3	2	10.0	16.0	128	2	4	11.0	17.0	104	7	5			80	9	8	10.0	17.0
04	152	4	2	11.0	18.0	129	3	4	12.0	18.5	104	7	5			80	10	8	10.5	18.0
05	154	2	3	12.0	18.5	128	5	2	12.0	19.0	102	9	3			78	9	8	12.0	19.0
06	152	4	2	12.0	18.5	122	4	3	12.5	19.0	84	12	8			58	11	4	4.0	5.5
07	150	2	4	11.0	18.0	116	5	4	12.5	20.0	66	30	4			52	16	4	4.0	7.0
08	148	5	0	10.0	16.0	108	8	5	13.0	16.0	64	33	2			52	21	4	5.0	7.5
09	148	6	0	10.0	15.0	108	14	5	10.5	15.5	66	33	2			52	22	4	*3.0	*6.0
10	150	4	2	9.5	15.0	111	10	4	11.5	16.5	66	32	4			50	23	2	6.0	8.5
11	150	4	2	9.0	14.0	114	4	6	10.0	14.5	66	33	4			50	20	4	5.0	7.5
12	150	4	2	8.0	13.0	112	9	3	9.0	14.0	66	29	4			50	22	4	3.0	6.0
13	150	4	0	8.0	13.0	112	9	3	10.0	14.5	64	30	2			50	15	3	7.0	10.0
14	150	4	2	9.0	14.0	110	6	2	10.0	13.5	64	26	2			50	20	4	*4.0	*7.0
15	150	2	2	9.0	14.5	110	8	4	11.0	16.0	62	23	2			48	14	2	4.5	6.5
16	148	2	0	10.0	15.5	108	8	4	12.0	17.5	60	30	2			48	14	4	*3.0	*6.0
17	148	2	2	10.0	15.5	104	12	4	10.0	15.0	60	33	2			50	16	4	3.5	5.5
18	148	4	2	10.5	15.5	104	7	2	6.0	10.0	72	24	4			58	11	7	4.0	6.5
19	148	2	2	9.0	14.0	112	4	3	7.0	12.0	92	6	6			70	10	6	7.0	11.0
20	150	0	2	7.5	13.5	120	2	4	7.5	13.0	98	2	2			74	8	4	8.5	13.0
21	150	2	2	7.5	12.5	122	4	4	8.5	13.0	99	6	4			77	13	8	8.0	13.5
22	152	2	2	8.0	12.5	123	5	3	10.0	15.0	100	3	4			76	8	5	9.0	14.0
23	152	2	2	7.5	12.5	124	4	2	9.5	15.0	100	7	3			78	9	6	7.5	13.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	58	5	4	5.0	8.5	53	3	3	*3.0	*6.0	39	2	3	3.0	5.0	23	2	2	2.0	3.5
01	58	7	4	5.0	8.5	53	5	3			39	2	4	3.0	5.0	23	2	2	1.5	3.5
02	58	6	4	6.0	10.0	52	4	2			37	4	4	3.0	5.5	23	2	2	2.0	3.5
03	58	6	2	6.0	10.0	50	6	2			35	5	2	3.0	5.0	23	2	2	2.0	3.5
04	58	6	4	6.0	10.0	50	6	4	5.0	8.5	35	4	2	*4.5	*7.0	23	2	2	2.0	3.5
05	58	6	5	6.5	10.5	50	3	5	5.5	8.0	33	4	3	3.5	5.0	23	2	2	1.5	3.5
06	56	5	5	6.5	9.5	47	3	3	6.5	9.5	35	3	6	3.5	5.0	23	2	2	2.5	4.0
07	43	6	3	3.5	5.5	38	5	6	4.5	7.0	33	3	5	*4.0	*6.0	23	2	2	2.0	3.5
08	38	9	6	3.0	5.0	30	8	6	4.0	7.0	29	6	4	3.5	5.5	22	3	3	2.0	3.5
09	34	12	4	3.0	5.0	26	10	6	3.0	5.0	27	5	5	2.5	4.5	21	4	2	2.0	4.0
10	34	9	4	3.0	5.0	24	11	6	4.0	6.0	25	6	4	2.5	4.0	21	2	2	2.5	4.0
11	33	11	5	3.0	5.5	22	9	4	3.0	5.0	23	6	4	2.5	4.5	21	2	2	2.0	4.0
12	32	12	4	2.0	4.0	20	12	3	2.5	5.0	21	6	4	2.5	4.5	21	4	2	1.5	3.0
13	30	12	2	3.0	5.5	20	12	5	2.5	4.5	19	8	2	*3.0	*5.5	22	1	1	2.0	4.0
14	30	9	2	3.0	5.0	20	11	4	3.0	5.0	21	8	4	*2.5	*4.5	23	2	4	2.5	4.5
15	30	12	4	3.5	5.5	22	12	6	3.0	5.0	25	4	2	3.5	6.0	23	2	2	2.0	4.0
16	32	12	5	3.0	5.0	24	9	4	2.0	4.0	31	4	5	3.0	5.5	24	3	3	2.5	4.5
17	36	11	9	3.0	5.0	28	8	4	3.0	5.5	35	4	4	3.5	6.5	25	2	2	3.0	4.5
18	40	7	8	3.5	5.5	42	2	4	2.5	5.0	41	2	4	3.5	6.5	25	2	2	2.5	4.0
19	48	5	7	4.5	8.0	49	3	3	3.5	6.0	41	2	3	4.0	7.0	25	3	2	2.0	4.5
20	54	6	5	5.5	8.0	52	2	4	3.5	6.0	40	3	2	4.0	7.0	23	2	0	1.5	3.0
21	58	2	6	5.5	8.5	52	4	4	3.5	6.0	39	4	2	3.5	6.0	23	4	0	1.5	3.5
22	58	4	5	5.0	8.5	54	4	4	3.0	6.0	39	2	3	3.0	6.0	23	2	0	1.5	3.5
23	58	5	4	5.5	9.0	54	4	5	3.5	5.5	37	4	2	3.0	5.5	23	2	0	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 F_{am}	.013 D_u	.013 D_ℓ	.013 V_{dm}	.013 L_{dm}	.051 F_{am}	.051 D_u	.051 D_ℓ	.051 V_{dm}	.051 L_{dm}	.160 F_{am}	.160 D_u	.160 D_ℓ	.160 V_{dm}	.160 L_{dm}
00	153	4	0	8.0	13.0	126	5	2	8.5	13.5	102	5	4		
01	155	2	4	8.0	14.0	130	2	6	9.0	14.0	102	6	2		
02	155	2	2	9.5	15.5	130	2	4	10.0	15.5	102	6	3		
03	155	2	4	11.0	17.5	130	4	4	11.0	17.0	104	6	6		
04	153	2	0	11.5	18.0	128	6	2	12.0	19.0	104	6	4		
05	153	2	2	13.0	19.5	128	6	2	12.5	19.5	102	6	4		
06	153	2	2	12.5	19.5	124	2	2	*13.0	*20.0	92	4	8		
07	149	4	0	11.5	19.0	118	4	2	12.0	19.0	72	22	6		
08	149	4	0	11.0	17.0	110	8	4	12.0	17.5	72	20	8		
09	151	2	2	9.5	15.0	110	8	4	10.0	15.0	70	16	6		
10	151	2	2	8.5	14.5	112	6	4	8.0	12.0	70	14	6		
11	151	2	2	8.0	13.0	114	8	2	9.5	14.0	70	16	6		
12	152	1	1	8.0	13.5	114	3	4	8.5	13.0	68	21	4		
13	151	2	2	7.5	13.0	114	3	4	8.5	13.0	66	22	4		
14	151	2	2	7.5	13.5	112	2	4	8.0	12.5	64	20	4		
15	149	2	0	9.0	15.0	108	7	2	9.5	14.0	64	14	6		
16	149	2	2	10.0	15.0	108	6	4	10.0	15.0	62	14	4		
17	149	0	3	10.0	16.5	106	4	4	9.0	12.0	70	11	10		
18	148	1	3	9.5	15.5	106	7	2	7.5	12.5	78	5	10		
19	149	1	2	8.0	13.0	116	4	4	6.5	11.5	92	5	2		
20	151	1	2	6.5	11.0	120	5	2	7.0	12.0	96	5	4		
21	151	3	2	7.5	12.0	122	7	4	8.0	13.0	96	5	2		
22	152	3	1	20	11.5	124	4	5	8.5	13.5	98	6	3		
23	153	2	2	7.0	11.5	126	2	5	9.0	14.0	100	5	4		

Hour (LST)	.495 F_{am}	.495 D_u	.495 D_ℓ	.495 V_{dm}	.495 L_{dm}	2.5 F_{am}	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}	2.5 L_{dm}	5 F_{am}	5 D_u	5 D_ℓ	5 V_{dm}	5 L_{dm}
00	82	9	6	9.0	17.5	57	9	2	6.5	10.0	56	6	4		
01	84	8	6	*10.5	*19.0	59	8	4	5.5	9.5	56	4	2		
02	82	10	8	11.0	20.0	59	7	4	7.0	10.5	54	5	2		
03	84	6	7	*14.0	*22.0	59	6	4	*8.0	*12.0	54	2	4		
04	84	5	10	*10.0	*18.0	59	4	4	*7.0	*10.5	52	4	2	*6.0	*8.5
05	78	10	6	11.0	18.0	57	8	2	7.0	12.0	52	4	4	*5.5	*9.5
06	58	12	2	*5.0	*7.0	57	10	2	*8.0	*11.0	50	6	2	*5.0	*9.0
07	52	18	4	4.0	6.5	43	4	2	5.0	7.5	40	8	4	*5.5	*8.5
08	52	16	4	4.5	6.5	39	4	5	*3.5	*5.0	34	4	4	*4.0	*6.0
09	50	15	2	5.0	8.0	37	6	4	2.5	4.5	30	4	6	*6.0	*8.5
10	48	16	0	4.5	7.0	35	6	4	2.0	4.0	26	5	4	*5.5	*7.5
11	48	12	2	3.5	6.5	33	6	4	*3.0	*5.0	24	6	2	*3.0	*5.0
12	50	11	4	*3.5	*6.0	33	5	4	*2.0	*4.0	24	7	4	2.5	4.5
13	48	13	2	5.0	8.0	32	8	3	*3.0	*5.0	22	12	1	*2.0	*4.0
14	48	7	4	3.0	5.0	31	10	2	*2.5	*4.0	22	11	2	*2.0	*4.0
15	46	7	4	5.0	7.5	31	9	2	*2.0	*4.0	26	7	5	*1.5	*3.0
16	46	11	4	4.0	7.0	35	10	6	*2.0	*4.0	28	9	4	*2.0	*4.0
17	48	7	6	3.0	5.0	39	8	8	*1.5	*3.0	38	5	5	*2.5	*4.5
18	58	4	10	3.5	6.0	41	7	7	*3.0	*5.0	46	2	3	2.5	4.5
19	70	10	9	7.0	11.5	51	5	5	*3.5	*5.5	50	7	2	*3.5	*5.5
20	76	10	7	6.0	10.0	55	9	5	*6.0	*8.5	54	5	4	3.5	5.0
21	77	12	3	6.5	10.0	57	7	5	6.5	9.5	54	4	4	3.5	6.5
22	82	7	8	*11.0	*15.5	57	7	3	*6.5	*9.0	54	7	4	4.0	7.0
23	83	8	7	8.0	14.0	57	4	4	*5.5	*8.0	56	4	3	4.0	6.0

Hour (LST)	10 F_{am}	10 D_u	10 D_ℓ	10 V_{dm}	10 L_{dm}	20 F_{am}	20 D_u	20 D_ℓ	20 V_{dm}	20 L_{dm}
00	36	6	4	*3.5	*5.0	23	2	0	2.5	4.0
01	36	2	4	3.0	5.0	23	2	0	2.0	3.5
02	36	2	4	3.5	6.0	23	2	0	1.0	2.5
03	34	4	4	*3.5	*5.0	23	0	0	1.0	2.5
04	34	6	4	*3.0	*4.5	23	0	2	1.5	3.5
05	30	4	2	2.5	4.0	23	0	2	*1.5	*3.0
06	33	5	4	*3.0	*5.0	23	2	2	2.0	3.5
07	32	4	4	*4.0	*6.0	23	0	2	*2.0	*3.5
08	28	4	4	*5.5	*8.0	23	0	2	2.0	4.0
09	26	2	4	3.0	5.0	21	2	0	*2.5	*4.0
10	24	2	4	3.5	5.5	21	2	0	2.0	3.5
11	22	4	4	*4.5	*6.5	21	2	2	2.0	3.5
12	20	4	4	*3.0	*5.0	21	2	2	*2.0	*3.5
13	20	4	4	*3.5	*5.5	23	2	2	*1.0	*2.5
14	22	3	4	*2.0	*4.0	23	2	2	*2.0	*3.5
15	26	2	4	*3.5	*6.0	23	2	0	*2.0	*4.0
16	32	2	3	*3.5	*6.0	23	4	0	2.0	4.0
17	36	4	4	5.0	7.5	25	2	3	2.0	3.5
18	39	3	3	4.5	7.5	25	2	2	*2.0	*4.0
19	40	2	4	4.5	7.5	25	2	2	*2.5	*4.0
20	38	4	5	*4.0	*7.0	24	1	1	2.0	3.5
21	37	3	3	3.5	6.0	23	2	0	2.0	4.0
22	36	4	3	3.5	6.0	25	0	2	2.0	3.5
23	36	3	4	4.0	6.0	24	1	1	2.0	3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 F_{am}	.013 D_u	.013 D_ℓ	.013 V_{dm}	.013 L_{dm}	.051 F_{am}	.051 D_u	.051 D_ℓ	.051 V_{dm}	.051 L_{dm}	.160 F_{am}	.160 D_u	.160 D_ℓ	.160 V_{dm}	.160 L_{dm}	.495 F_{om}	.495 D_u	.495 D_ℓ	.495 V_{dm}	.495 L_{dm}
00	159	2	4	8.0	10.0	140	5	5	8.0	11.0	123	5	8	8.0	11.5	103	9	9	*8.0	*10.0
01	159	4	3	8.5	10.5	140	4	6	5.0	11.5	123	7	9	7.0	10.0	105	5	14	7.5	11.0
02	159	5	2	8.0	11.0	140	6	5	7.5	11.0	122	7	7	7.5	11.0	107	4	14	7.5	11.0
03	159	4	2	9.5	12.0	140	7	5	9.0	11.0	122	7	8	8.0	11.5	105	8	12	8.5	11.5
04	159	5	2	10.0	12.0	138	9	5	10.0	13.0	122	6	6	9.5	12.5	*101			*8.5	*11.5
05	157	6	2	9.5	12.0	140	8	14	9.0	13.0	123	8	32	*10.0	14.0	95	16	19	*7.5	*12.0
06	157	7	6	*10.0	*12.0	138	7	12	10.5	16.0	122	5	30	9.5	15.5	101	8	22	*8.0	*13.0
07	156	5	5	12.0	15.5	134	9	12	*11.0	*15.5	114	16	22	11.5	18.0	*101			*8.0	*11.0
08	155	6	4	12.0	15.5	131	13	10	*15.0	*19.0	*110			*16.0	*20.0	*89			*8.0	*15.0
09	*155			12.0	17.5	130	6	8	*13.0	*17.0	*112			*12.0	*18.0	*88			*11.0	*17.0
10	155	2	2	*11.0	*15.0	*133			*10.5	*16.5	*113			*11.5	*17.5	*89			*12.0	*17.0
11	155	4	4	10.5	14.0	*134			9.5	15.5	*115			9.5	16.0	*91			*9.0	*13.0
12	159	4	4	10.0	13.0	136	7	6	10.0	15.0	118	8	6	11.0	17.0	98	15	7	8.5	12.0
13	161	3	4	*8.0	*11.0	140	5	10	9.5	15.0	124	5	18	7.5	12.0	103	13	17	*8.0	*12.0
14	163	2	4	8.0	11.0	142	9	6	8.0	12.0	124	8	13	*8.5	*12.0	106	9	9	10.0	14.5
15	*163			*10.5	*12.5	*144			7.5	13.0	*127			*7.0	*10.5	106	9	3	*9.0	*13.5
16	*163			*8.5	*12.5	142	6	7	*9.0	*12.5	122	12	8	*8.0	*12.0	105	4	6	*9.0	*14.5
17	*163			*7.5	*11.0	*142			*7.5	*11.0	122	13	6	*9.5	*14.0	103	6	6	*10.0	*15.5
18	161	2	4	8.0	11.0	138	6	6	8.5	12.5	121	5	9	8.0	11.0	101	6	6	*8.0	*11.5
19	159	2	2	*7.5	*10.0	140	7	4	*7.0	*11.0	120	11	2	7.0	10.5	103	8	5	7.0	10.5
20	159	4	4	7.0	10.5	140	6	4	8.0	11.5	120	8	4	7.0	10.0	103	8	5	7.5	11.0
21	159	3	3	7.5	10.0	140	4	4	9.0	11.5	122	5	7	*8.0	*11.0	103	8	6	7.0	11.0
22	159	2	2	7.0	10.0	138	6	4	8.0	11.5	121	7	5	7.5	11.0	103	6	7	7.0	10.5
23	159	2	3	7.5	9.5	140	4	4	8.0	11.5	122	4	6	7.5	11.5	105	8	10	*8.5	*11.5

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}	2.5 L_{dm}	5 F_{am}	5 D_u	5 D_ℓ	5 V_{dm}	5 L_{dm}	10 F_{am}	10 D_u	10 D_ℓ	10 V_{dm}	10 L_{dm}	20 F_{om}	20 D_u	20 D_ℓ	20 V_{dm}	20 L_{dm}
00	73	8	12	6.0	9.0	65	4	12	5.5	7.5	46	14	6	*4.5	*7.0	26	6	2	*1.5	*3.0
01	73	8	8	6.0	8.5	61	10	8	*5.5	*8.5	*48			*5.0	*7.0	26	4	2	*2.0	*3.0
02	75	6	9	6.0	9.0	63	6	9	*5.5	*8.0	42	13	5	*5.5	*7.5	26	8	2	2.5	3.5
03	75	5	11	6.0	9.0	61	6	12	5.5	9.0	40	16	4	*4.0	*6.0	24	8	0	*2.0	*3.0
04	73	6	14	6.5	9.0	57	10	12	5.5	8.0	42	17	9	*5.0	*7.0	26	6	2	*2.0	*3.5
05	67	10	16	7.0	10.0	61	8	12	*6.5	*10.0	44	12	8	5.0	7.5	26	9	3	*2.5	*3.5
06	61	15	14	*6.5	*11.5	57	8	14	*8.0	13.0	42	9	6	*5.5	*7.0	26	10	2	3.0	4.5
07	60	20	12	*8.0	*12.0	52	14	9	*7.5	10.5	42	7	7	5.5	7.0	26	8	2	*3.0	*5.0
08	59	14	12	*11.0	*15.0	*51			*10.0	14.0	36	12	4	*6.5	*9.0	26	11	2	*2.0	*4.0
09	*55			*7.0	*11.0	*45			*5.5	10.0	*36			*6.0	*8.0	26	5	2	*3.0	*4.0
10	*57			*6.5	*9.5	*47			*5.0	6.5	*42			*4.0	*5.5	26	6	2	*2.5	*3.5
11	*57			*6.0	*9.0	*49			*7.0	12.5	*42			*5.0	*6.5	28	2	4	*3.0	*4.5
12	56	8	8	*6.0	*8.5	47	12	6	*5.0	7.0	42	6	4	*5.0	*7.5	31	3	5	*3.5	*5.0
13	61	18	13	*7.5	*12.0	52	15	11	*4.5	9.5	48	8	6	*3.0	*5.0	*32			*3.0	*5.0
14	64	12	10	*8.0	*12.0	55	12	4	*6.5	10.0	48	9	2	*4.0	*5.5	33	1	5	*4.0	*5.5
15	67	14	12	*4.0	*6.5	59	10	6	*4.0	6.0	*52			*3.5	*6.0	34	6	2	*3.0	*5.0
16	66	15	5	6.0	8.5	61	8	6	*5.0	7.5	50	6	2	4.0	6.0	*35			*3.0	*5.0
17	65	16	8	*6.5	*10.0	65	11	6	5.0	7.5	53	8	7	5.0	7.0	34	11	6	*3.0	*4.0
18	69	11	10	5.5	8.5	65	5	10	*6.5	*10.0	52	2	4	*4.5	*6.5	*30			*3.0	*4.5
19	73	6	4	3.5	6.0	66	5	4	5.0	7.0	52	3	5	4.0	7.0	30	6	4	*2.5	*4.0
20	77	2	6	4.5	7.5	67	4	4	*4.5	*7.5	48	6	2	3.5	5.5	28	6	4	3.0	5.0
21	75	6	6	6.0	9.0	65	4	4	6.0	8.0	47	6	3	*4.0	*6.5	27	7	3	2.5	3.5
22	73	8	4	6.5	9.0	63	6	4	5.5	8.5	46	5	3	5.0	6.5	26	6	2	2.5	3.5
23	73	7	4	5.5	9.0	63	6	7	5.0	7.5	46	5	5	*5.0	*7.0	26	5	2	2.5	3.5

F_{om} = medion value of effective antenno noise in db obove ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below meon power
L_{dm} = median deviotion of overage logarithm in db below meon power

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm
00	159	2	4	7.0	11.0	136	6	4	7.5	12.0	121	8	10		
01	159	4	2	7.5	11.0	138	9	6	*8.0	*11.5	119	11	9		
02	159	2	4	*8.5	*10.5	139	3	7	*6.0	*9.0	119	6	8		
03	157	4	4	9.0	12.5	139	4	6	*8.0	*11.0	121	6	12		
04	157	4	4	8.5	12.5	135	7	7	*9.5	*14.0	117	9	11		
05	155	2	2	*8.0	*11.0	133	6	8	*9.5	*12.5	113	10	18		
06	153	4	4	*9.0	*11.5	130	10	11	*10.5	*15.5	113	10	26		
07	151	6	2	*10.0	*13.0	129	9	15	*10.5	*16.0	*115				
08	153	4	5	*10.0	*13.0	*128			*10.5	*15.0	*103				
09	151	5	4	*10.5	*14.0	*122					*98				
10	153	4	2	*10.0	*15.0	126	14	8	*13.0	*20.0	*110				
11	155	4	4	*10.5	*14.5	128	12	6			114	15	19		
12	159	6	3	*10.0	*13.0	132	12	6	*12.0	*13.0	119	13	20		
13	159	5	4	*9.0	*12.0	136	11	8	*10.5	*14.0	124	5	13		
14	159	6	4	*10.0	*13.5	140	8	10	*9.0	*13.0	125	9	10		
15	161	4	3	*8.5	*13.0	142	6	12	*10.0	*14.0	125	7	12		
16	161	6	4	*9.0	*12.5	140	10	9	*10.0	*15.0	123	8	10		
17	161	4	4	9.0	13.5	140	8	10	*11.0	*16.0	124	7	12		
18	161	2	6	*10.5	*13.5	140	6	12	*12.0	*17.0	124	5	6		
19	156	6	2	7.5	10.0	136	8	6	12.0	14.0	121	9	10		
20	157	5	3	6.5	9.5	138	6	8	10.0	11.5	123	6	10		
21	158	3	3	7.0	10.0	138	6	10	*9.0	*10.5	121	5	7		
22	159	2	3	*7.0	*10.5	138	5	7	*7.5	*11.0	121	5	4		
23	159	2	3	*7.0	*10.0	135	9	3	*8.5	*12.0	119	7	7		

Hour (LST)	.495 Fam	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm*	2.5 Ldm*
00	101	9	10			71	9	8	4.5	7.0
01	101	13	9			71	12	7	5.5	9.0
02	103	6	12			73	9	10	5.0	8.5
03	101	7	11			75	5	10	7.0	12.0
04	98	13	17			73	8	11	7.0	12.0
05	92	13	19			65	14	10	7.5	12.0
06	*90					61	12	15	9.0	12.5
07	*88					53	16	34	9.5	14.0
08	*71					*51			5.5	8.0
09	*73					45	12	6	8.0	10.0
10	83	22	18			48	13	7	4.5	6.0
11	99	10	30			45	24	4	3.0	5.0
12	101	9	27			49	21	6	8.0	10.0
13	107	5	21			60	19	19	10.0	14.5
14	101	11	12			63	18	21	7.0	11.5
15	101	14	16			*65			7.5	9.0
16	99	17	18			67	14	18	10.0	13.0
17	103	12	19			66	19	14	4.0	7.0
18	96	9	11			71	11	12	5.0	7.5
19	98	13	7			71	7	6	6.0	7.5
20	101	6	12			73	9	8	5.5	9.5
21	100	7	10			73	7	9	5.0	8.0
22	99	8	10			71	9	8	4.0	7.0
23	101	8	10			69	6	6	3.0	5.5

Hour (LST)	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm*	10 Ldm*	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	61	8	4	5.0	6.0	45	8	4	4.5	7.0	25	8	2		
01	63	9	7	*5.0	*9.0	45	12	4	3.0	5.0	25	6	0		
02	59	8	4	*4.5	*8.0	51	4	11	5.5	4.5	25	3	2		
03	57	10	4	*5.0	*9.0	54	5	15	4.0	5.0	25	2	2		
04	58	6	6	*3.5	*6.0	55	6	18	3.0	5.0	25	2	2		
05	55	12	4	*5.5	*7.5	57	6	17	2.0	3.5	25	0	4		
06	53	12	3	*7.5	*10.0	53	5	14	4.0	5.0	25	1	2		
07	59	13	8	*2.5	*4.5	53	6	8	5.0	4.0	25	2	2		
08	49	4	12	*10.0	*12.0	*31					*25				
09	*37			*8.5	*14.0	31	10	2	5.0	6.0	*25				
10	*39			*6.0	*6.5	*31			4.0	4.0	*27				
11	39	20	4	*7.5	*11.0	39	10	6	8.0	9.0	27	4	2		
12	43	18	8	*8.0	*11.0	38	11	5	6.5	10.0	27	4	2		
13	49	17	10	*9.0	*13.0	33	9	14	4.0	5.5	27	6	2		
14	51	17	12	*8.0	*11.0	45	9	10	4.0	4.0	*29				
15	57	7	10	*6.0	*7.5	45	10	6	5.0	8.0	31	4	8		
16	51	9	10	*5.0	*8.0	47	6	7	4.0	6.0	31	6	4		
17	61	14	8	*4.5	*7.5	48	6	6	4.0	6.0	31	6	3		
18	65	5	7	*5.5	*8.5	49	4	4	3.0	5.0	29	5	1		
19	64	7	5	4.0	7.0	49	4	4	3.0	5.0	29	5	2		
20	63	6	6	*3.5	*6.5	47	10	0	3.5	5.0	27	4	2		
21	61	8	4	4.5	6.5	45	5	2	3.0	4.5	27	2	3		
22	61	8	5	4.0	6.5	45	8	3	2.0	4.0	27	2	4		
23	61	6	6	*4.0	*7.0	45	7	7	3.0	5.0	27	1	4		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	156	5	2	*8.0	*11.0	134	9	9			118	12	8			97	10	7			66	11	5			56	15	7			43	6	7			27	0	2		
01	158	4	4	9.0	12.5	132	12	6			116	13	6			101	6	11			69	8	8			58	12	6			44	9	8			25	4	2		
02	156	6	4	*9.5	*13.0	132	10	6			118	10	10			101	10	10			67	12	12			58	10	9			51	6	16			25	3	0		
03	158	6	6	10.0	13.0	132	12	7			118	10	10			99	11	8			68	11	11			60	11	10			51	6	17			25	3	2		
04	158	6	8	*10.0	*13.5	134	10	8			120	10	10			102	8	11			69	11	11			56	10	6			47	16	16			25	4	2		
05	157	7	5	11.0	14.5	133	9	11			118	8	14			91	18	14			69	10	10			54	14	6			51	12	14			25	4	2		
06	154	6	6	*12.5	*17.0	130	14	17			114	14	10			94	16	19			61	10	10			52	12	9			47	12	10			25	4	2		
07	153	7	5	*11.0	*15.0	*130					*116					*91					54	14	9			49	5	17			41	8	6			25	2	0		
08	154	4	6	*12.0	*15.5	*125					*112					*83					*49					*42					35	14	7			*25				
09	152	6	4	*12.5	*17.0	*127					104	20	20			*77					*47					*39					33	8	6			*25				
10	150	7	4	*11.0	*15.5	*130					113	11	21			*75					51	17	10			*41					35	6	6			27	2	2		
11	154	8	4	10.5	15.5	125	8	5			110	14	13			*94					51	19	11			39	5	11			37	8	8			27	4	2		
12	156	6	4	*13.5	*18.0	131	13	6			114	15	12			93	20	16			55	18	12			44	12	13			40	6	6			29	2	2		
13	156	7	2	11.0	15.0	132	14	8			118	10	14			99	11	11			58	16	15			42	20	10			41	8	6			29	8	2		
14	160	4	4	10.0	15.0	136	14	8			118	14	8			95	20	17			59	16	11			48	18	10			43	7	4			31	4	4		
15	160	6	4	10.5	14.0	136	10	10			118	12	8			99	13	12			55	12	7			51	13	9			44	6	5			30	6	4		
16	160	6	4	*8.5	*12.5	138	11	11			118	13	12			97	16	16			55	17	6			55	9	9			45	10	4			31	5	4		
17	160	6	4	9.5	13.0	135	10	9			120	8	10			97	15	14			59	16	6			56	11	4			47	4	4			29	4	2		
18	158	6	4	*9.5	*13.0	136	12	8			116	12	8			95	16	8			63	12	4			60	6	5			48	5	5			31	2	5		
19	156	6	4	*9.5	*12.0	132	13	7			116	13	4			98	12	6			69	8	8			60	8	4			49	5	4			31	4	4		
20	156	6	4	9.0	12.5	133	10	8			118	6	4			99	7	8			70	7	7			60	10	8			45	10	4			29	6	6		
21	158	4	4	7.5	11.0	133	10	8			118	11	7			97	16	6			67	12	6			58	12	5			45	6	4			27	4	2		
22	156	6	2	8.0	10.5	136	7	8			116	10	4			97	14	6			67	9	6			62	7	10			45	8	5			27	3	3		
23	156	5	2	*8.0	*11.5	132	16	6			116	11	6			95	16	4			67	8	6			56	9	4			45	5	6			27	8	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	2	2	10.5	15.5	131	4	3	9.5	14.0	108	4	3	8.0	14.0	86	8	5	9.0	14.0	63	4	3	6.0	10.5	56	5	2	5.0	9.0	43	4	4	4.0	7.5	24	1	2	2.5	3.0
01	157	4	3	10.5	16.5	131	2	4	11.5	17.5	110	2	5	*8.5	*15.0	85	7	5	8.0	14.0	63	4	4	6.0	10.5	56	4	3	6.0	9.5	41	5	3	3.0	6.0	24	0	2	1.5	3.0
02	157	4	2	9.5	14.0	131	4	2	10.5	16.5	109	3	4	7.5	14.0	85	6	5	8.5	14.5	61	6	3	6.0	10.0	54	4	2	6.0	8.5	41	2	3	3.5	6.0	22	2	0	1.5	3.0
03	157	2	2	10.0	14.5	131	3	4	9.5	15.5	108	4	5	8.0	14.0	83	5	10	9.0	14.0	61	4	2	7.5	12.0	66	7	9	*6.0	*9.5	39	4	2	4.0	6.5	22	2	0	1.0	2.5
04	157	2	2	10.5	15.5	127	2	4	12.0	18.5	100	6	6	*8.5	*14.5	67	4	6	4.0	7.0	59	6	2	6.0	11.0	58	7	4	6.5	10.0	39	4	2	*4.0	*6.5	22	2	0	1.5	2.5
05	155	2	2	10.0	14.5	123	4	4	*10.5	*16.5	84	15	6	*8.0	*11.5	62	10	5	3.0	5.0	47	6	4	7.5	12.0	48	6	2	5.5	9.5	39	6	2	4.0	6.0	22	4	0	1.5	3.0
06	153	3	2	10.5	15.0	117	7	4	10.0	15.0	85	11	7	*8.0	*11.0	61	11	3	2.5	4.5	42	4	1	8.0	11.0	42	4	5	*11.5	*9.5	37	3	4	*5.5	*8.0	22	2	0	2.0	3.5
07	153	4	2	11.5	16.0	117	4	7	*12.0	*16.0	88	9	6	*10.5	*15.0	61	9	4			41	1	2	8.0	11.0	40	4	5	9.5	12.5	35	4	6	*3.0	*5.0	22	4	0	2.0	3.5
08	155	2	4	11.5	16.0	119	6	7	*13.0	*18.0	88	8	6	*12.5	*18.0	61	7	2	2.5	5.0	41	2	2	*8.5	*12.5	38	4	6	*9.0	*10.0	33	2	6	*3.0	*5.0	22	2	2	2.0	3.5
09	155	2	2	*12.0	*16.0	119	7	3	*14.5	*19.5	89	7	5	*13.0	*17.5	*61					39	2	0	8.0	12.0	36	4	4	*8.5	*12.0	*31					22	4	2	2.0	4.0
10	*153			*12.0	*16.0	*121			*13.0	*20.0	86	12	8	*12.5	*20.5	61	12	5	3.0	6.0	*39			*7.5	*11.0	36	4	4	*12.0	*15.0	29	2	2	*3.5	*5.0	22	4	2	1.5	3.0
11	155	4	4	*12.0	*16.5	123	4	6	*12.0	*17.5	88	9	8	*10.5	*13.5	63	8	4	4.5	6.5	39	2	0	*7.0	*11.0	34	5	3			29	4	4	*4.0	*5.5	22	2	2	2.5	4.0
12	155	4	2	11.5	16.5	123	7	4	12.0	17.0	89	6	6	8.5	10.5	63	15	4	8.0	10.0	39	4	0	8.5	11.5	34	4	4	*9.0	*12.0	29	5	3	5.0	7.0	22	4	2	2.5	4.5
13	157	3	5	11.5	17.5	125	5	4	11.0	17.0	90	11	6	*7.0	*10.5	67	12	6	5.0	8.0	39	2	0	6.5	9.5	34	7	4	*10.0	*13.5	31	6	4	*3.5	*6.5	22	4	0	3.0	4.0
14	157	4	4	11.5	16.0	125	13	2	10.5	15.5	90	27	8	*9.0	*15.5	66	30	7	14.5	18.5	39	12	0	6.5	10.0	36	8	6	*9.0	*12.5	33	6	6	*6.0	*8.5	24	4	2	2.5	4.5
15	157	4	2	10.0	16.0	125	21	6	10.0	16.0	88	35	6	*12.0	*19.0	65	34	6	3.0	5.5	39	20	2	6.5	10.5	38	14	6	*9.5	*15.0	37	4	14	*5.0	*8.0	26	4	2	3.0	4.5
16	159	6	4	10.0	15.0	124	18	5	10.0	15.5	90	34	9	*11.0	*15.0	65	35	8	16.0	27.5	39	24	0	6.5	11.0	42	13	6	*5.0	*9.0	41	8	4	4.0	7.0	26	7	3	2.0	5.0
17	159	3	4	9.0	14.0	127	14	4	9.0	14.0	88	12	8	*9.0	*13.0	65	35	5	9.0	13.0	43	19	3	8.0	11.0	48	7	5	*5.0	*9.5	45	2	5	4.5	7.5	26	5	2	2.5	4.5
18	157	6	2	9.0	13.5	126	11	7	9.5	14.5	92	14	7	*9.0	*14.5	71	15	4	8.5	12.5	47	14	2	*6.0	*13.0	56	4	5	*6.0	*8.5	47	6	4	4.5	7.5	26	4	2	2.5	4.0
19	155	4	2	9.0	14.0	125	10	4	10.5	15.0	102	9	5	*12.5	*20.0	79	12	6	9.0	12.0	55	7	4	7.0	11.5	54	17	8	*6.0	*9.5	47	5	3	5.0	8.5	26	3	2	1.5	4.0
20	157	2	2	9.0	14.0	128	5	4	*12.0	*16.5	108	4	5	10.0	16.0	81	11	6	8.5	15.0	60	5	3	7.0	11.5	70	9	12	5.0	9.0	45	5	3	3.5	6.5	26	2	4	2.5	4.5
21	157	6	2	10.0	15.0	131	7	5	9.0	15.0	108	8	4	8.0	14.0	83	7	4	7.0	13.0	61	7	4	4.5	9.0	74	5	14	*3.0	*6.0	45	4	6	2.5	5.0	24	2	2	2.0	4.0
22	157	4	2	10.0	14.5	131	5	4	*9.5	*15.0	108	7	2	8.0	14.0	83	10	3	9.5	13.0	61	6	2	6.0	10.0	58	7	3	5.5	8.0	45	4	4	3.5	6.0	24	2	2	2.0	3.5
23	157	3	2	10.0	16.0	131	4	4	10.0	16.5	108	4	2	7.5	14.0	85	7	3	7.5	15.0	63	4	2	5.5	10.0	58	7	2	5.0	8.0	43	4	2	4.0	6.5	24	2	2	2.0	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	150	6	10	*9.5	*15.0	131	10	10	*9.5	*16.5	110	12	6	*7.5	*14.0	89	8	7	11.5	19.0	65	8	4	*5.0	*9.5	61	3	3	6.0	10.0	43	5	4	4.5	6.5	23	4	0	*2.5	*4.0
01	152	6	7	*11.0	*15.0	129	5	6	*9.5	*16.5	108	14	6	*8.0	*14.0	88	6	6	7.0	14.0	67	6	6	5.0	9.0	59	8	3	*6.0	*10.0	43	6	5	4.5	7.0	23	2	0	*1.0	*1.5
02	152	3	6	*11.5	*16.0	129	4	6	*8.5	*15.0	109	11	5	*9.0	*15.5	88	10	6	8.0	12.5	65	7	3	8.0	12.5	59	4	4	6.5	10.5	41	5	4	4.0	6.5	23	2	1	1.5	3.0
03	152	6	7	*9.0	*13.0	129	6	8	*9.0	*16.0	110	12	8	*9.5	*17.0	86	12	6	9.0	16.0	65	8	5	7.0	11.5	57	6	2	*7.0	*11.0	37	6	2	4.0	6.5	23	1	0	1.5	3.0
04	150	6	8	*9.5	*13.0	127	6	6	*11.0	*17.5	104	15	7	*8.0	*14.5	74	16	13	12.0	18.5	61	10	4	8.0	14.0	57	3	4	6.0	9.5	38	6	3	3.5	6.5	23	1	2	2.0	3.5
05	150	4	7	*10.0	*14.5	125	7	7	*9.0	*15.0	94	25	12	*10.0	*14.0	70	20	14			51	12	4	*9.5	*14.0	53	5	6	*6.0	*10.0	39	5	2	*4.5	*7.5	23	2	2	2.0	3.0
06	150	2	6	*9.0	*13.0	121	8	10	*14.0	*20.0	90	19	8	*14.0	*21.0	64	21	8	5.0	9.0	47	10	4	*10.0	*16.0	49	6	6	*7.5	*7.0	39	6	4	*8.0	*11.5	23	4	2	2.0	3.5
07	150	4	6	*11.0	*17.0	119	10	6	*13.0	*18.0	92	26	9	*11.5	*17.5	72	14	14			41	10	1	*7.5	*12.0	45	8	6	*10.0	*16.5	37	4	3	*7.0	*10.0	23	3	2	2.5	4.0
08	150	4	8	*11.0	*16.0	121	6	8	*14.5	*22.0	92	25	13	*11.5	*15.0	62	4	6	9.0	13.0	41	6	2	*9.5	*13.5	43	6	9	*8.5	*12.0	35	5	6	*7.0	*10.0	23	4	2	*4.0	*5.0
09	150	6	6	*11.0	*15.5	121	10	6	*13.5	*16.5	90	27	9	*15.0	*20.0	62	20	6	14.5	18.5	40	5	3	*8.0	*12.0	41	6	8	*12.5	*18.0	31	10	2	*8.0	*12.5	23	2	2	*3.0	*4.5
10	*149					*121			*13.5	*19.0	90	12	8	*17.5	*22.5	64	21	16			*39			*7.0	*10.5	*40					29	8	2	*3.0	*5.5	23	3	2	*3.5	*5.5
11	150	2	2	*11.0	*15.0	121	5	4	*13.5	*19.5	90	21	8	*13.0	*18.0	62	33	6			41	2	2	*7.0	*11.5	39	4	4	*9.5	*13.5	29	10	2	*2.0	*4.0	23	4	2	*3.0	*4.5
12	150	9	2	*11.5	*15.0	123	8	4	*10.5	*17.0	94	26	10	*8.5	*12.5	63	32	6	11.0	14.0	40	12	2	*8.5	*12.0	39	6	8	*10.0	*9.0	31	7	4	*4.5	*5.5	23	5	2	*2.0	*4.0
13	152	7	4	*10.0	*15.0	125	10	4	*10.5	*15.5	94	28	8	*8.0	*12.5	72	26	14	13.0	23.0	39	14	0	8.0	12.0	41	6	8	*8.5	*12.0	35	4	6	*5.5	*8.0	25	14	2	*2.5	*4.5
14	152	8	4	*9.0	*14.0	126	10	5	*9.5	*14.5	102	22	17	*6.0	*8.5	70	24	12	13.5	23.5	43	16	6	*8.5	*15.0	43	8	10	*9.5	*15.0	39	4	8	*3.5	*6.0	25	9	2	*3.0	*5.0
15	155	7	5	*9.5	*14.5	127	6	6	*8.5	*15.5	103	24	17	*13.0	*20.0	74	27	17	10.0	18.5	41	18	2	*9.0	*14.5	45	10	7	*8.0	*12.5	39	6	2	*3.0	*6.5	25	6	0	*1.0	*3.5
16	154	10	3	*8.5	*14.0	125	21	4	*10.0	*17.0	99	30	14	*11.0	*21.0	73	39	14	13.0	23.5	44	22	5	*9.0	*14.0	50	9	12	*8.0	*13.0	43	7	2	*2.0	*4.5	27	6	2	*2.0	*3.5
17	154	14	8	*8.5	*14.0	125	22	4	*8.0	*12.0	106	23	22	*15.0	*22.0	73	34	12	13.5	20.0	45	24	4	*8.0	*13.0	54	12	8	*8.0	*12.0	46	5	3	*2.5	*4.0	27	7	2	*2.5	*4.5
18	154	12	10	*8.0	*13.0	125	24	4	*13.5	*20.0	102	27	15	*13.5	*26.0	84	25	18	9.5	20.5	53	19	8	*8.0	*14.0	57	19	6	*8.0	*12.5	47	5	2	*2.0	*5.0	27	5	2	*2.5	*4.5
19	152	7	6	*7.5	*13.0	126	18	4	*15.0	*22.0	104	22	9	*10.0	*19.5	86	17	12	10.0	18.5	61	2	10	*7.0	*11.5	61	5	6	*6.0	*11.0	49	4	2	*2.0	*4.5	27	3	2	*1.5	*3.5
20	154	5	8	*8.0	*15.0	127	8	6	*14.0	*21.0	108	15	7	*10.0	*16.0	84	13	14	13.0	23.0	63	10	5	*6.0	*10.0	61	5	4	*5.5	*9.0	47	2	4	*3.0	*5.5	25	5	2	*2.0	*4.0
21	154	9	11	*8.5	*13.5	131	6	8	*8.5	*14.0	110	8	6	*8.0	*14.0	86	10	6	*8.0	*17.0	65	6	4	*6.5	*8.0	61	4	3	*4.0	*8.0	45	4	2	*3.5	*6.0	25	5	2	*2.0	*3.5
22	152	8	9	*9.0	*15.5	129	6	6	*8.0	*14.0	112	8	8	*7.0	*13.0	88	8	7	*8.0	*14.5	65	7	4	*5.0	*3.5	61	3	4	*5.0	*9.0	45	5	4	*4.0	*6.5	25	2	2	*2.0	*3.5
23	152	8	5	*8.0	*14.0	130	5	7	*10.0	*16.0	110	8	8	*8.0	*14.5	88	8	6	*8.5	*16.0	65	6	3	*5.0	*3.5	61	4	4	*4.0	*8.0	45	5	6	*5.0	*7.5	25	3	2	*2.5	*4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	6	12	*11.0	*17.0	131	6	10	*11.0	*18.0	116	4	6	7.0	14.0	95	6	8	8.5	16.0	65	6	8	7.0	12.5	57	5	4	*5.0	*9.0	42	4	5	*3.0	*5.5	24	2	0	*1.0	*3.0
01	156	6	17	*11.0	*16.5	133	8	12	*9.5	*16.0	116	10	8	11.5	18.5	93	10	6	8.0	15.5	65	10	8	7.0	11.5	55	10	4	*5.5	*9.5	40	7	5	*3.0	*5.5	24	1	1	*1.0	*2.5
02	158	4	6	*11.0	*17.0	131	10	12	*10.5	*15.0	115	7	9	*10.0	*16.5	97	8	8	10.0	18.0	63	10	6	5.5	10.0	53	11	4	*5.0	*8.5	40	6	5	*2.0	*4.5	24	2	2	*0.5	*2.0
03	156	6	15	*11.0	*17.5	137	6	16	*11.0	*18.5	116	8	6	*8.5	*16.5	95	8	10	8.5	16.0	65	6	8	9.5	14.0	55	16	4	*6.0	*11.5	38	5	4	*3.0	*5.5	24	2	2	*1.0	*2.5
04	157	5	16	*11.5	*18.0	135	8	12	*11.0	*17.0	114	6	10	*9.5	*17.0	91	6	8	8.5	16.0	65	8	8	8.0	14.0	55	8	4	*5.0	*8.5	38	6	6	*2.5	*4.5	24	0	2	*1.0	*2.0
05	154	6	15	*10.0	*17.0	127	10	8	*15.5	*21.5	103	17	13	*9.5	*18.0	73	23	12	17.0	12.5	57	5	6	8.0	13.0	53	6	2	*5.5	*9.0	40	5	3	*2.5	*4.5	24	2	2	*1.0	*2.5
06	154	7	8	*14.0	*13.0	127	10	6	*15.0	*23.5	100	14	16	*15.5	*25.0	76	17	17			49	9	5	7.5	11.5	49	8	6	*9.0	*12.5	42	4	4	*3.0	*5.5	24	2	0	*2.0	*2.5
07	154	7	14	*12.5	*17.5	123	12	12	*15.0	*24.0	100	12	14	*18.5	*26.0	75	14	16	17.0	21.5	45	12	4	10.0	14.5	45	6	6	*10.5	*16.0	40	2	3	*3.0	*6.0	26	2	2	*1.5	*3.0
08	154	5	14	*13.5	*19.0	121	18	6	*16.0	*25.5	96	16	14	*19.0	*27.5	70	19	9	16.0	25.0	45	8	4	9.5	13.0	41	7	6	*9.0	*14.0	36	6	2	*3.0	*5.0	24	4	2	*1.5	*3.0
09	154	6	13	14.0	19.5	123	6	10	*15.0	*22.0	98	12	15	*16.5	*25.5	*65					43	4	4	7.0	11.0	39	8	6			35	5	7	*6.5	*10.5	*24			*2.0	*4.5
10	*154			*14.0	*20.0	*122			*13.5	*21.5	100	18	23	*15.0	*24.5	69	18	10			*41			8.0	12.0	*33			*7.0	*10.5	32	10	4	*3.5	*6.0	24	4	2	*2.5	*4.5
11	154	5	6	14.0	20.0	125	4	8	*15.0	*24.5	96	17	10	*16.5	*22.0	69	21	10	12.0	22.0	41	11	2	9.0	14.0	35	13	4	*10.5	*14.0	32	8	4	*3.0	*5.0	24	3	2	1.5	3.5
12	154	6	12	*14.0	*20.0	125	7	5	*14.0	*21.0	97	10	10	*13.0	*17.5	73	22	14	10.0	20.0	41	11	3	9.0	13.0	37	8	6	*7.5	*11.0	32	6	4	*3.5	*6.0	24	2	2	*2.0	*4.5
13	156	4	8	*13.5	*18.5	128	9	7	*12.0	*18.5	100	21	12	*13.0	*21.0	75	25	15	*12.0	*19.0	41	16	4	*8.0	*12.0	37	10	4	*8.0	*11.0	34	6	4	*6.0	*7.5	26	2	2	*2.0	*4.0
14	156	6	10	*11.5	*18.0	129	8	6	*11.5	*17.5	100	28	12	*12.0	*20.5	76	33	17	*7.0	*16.0	41	11	2	*10.5	*14.5	37	13	6	*7.0	*10.5	38	8	4	*3.0	*5.0	26	7	2	*1.5	*3.5
15	158	4	16	*10.5	*17.0	129	8	8	*8.5	*14.0	98	24	10	*12.5	*19.0	75	28	16	*14.0	*17.0	41	11	2	*10.0	*13.5	41	13	6	*10.0	*16.0	41	4	5	*2.0	*4.5	28	3	4	*2.0	*4.0
16	160	7	10	*9.5	*14.5	127	10	7	*8.5	*14.0	102	22	20	*13.5	*18.5	74	27	13	*13.0	*24.0	44	6	3	*8.0	*18.5	47	8	10			44	6	2	*1.0	*3.5	28	2	2	*2.0	*4.0
17	158	3	14	*8.5	*13.5	125	12	5	*7.5	*12.5	96	26	10	*8.5	*13.0	75	23	12	*11.0	*20.0	47	4	6	*8.5	*12.5	49	8	4	*6.0	*10.0	46	4	2	*2.0	*5.0	28	3	2	*2.0	*4.0
18	156	6	8	*8.5	*14.0	127	14	6	*12.5	*20.5	105	21	7	*11.5	*20.0	83	22	6	*8.5	*18.0	53	12	4	*7.5	*11.0	53	6	2	*5.0	*8.5	48	6	3	*1.5	*4.0	28	4	2	*2.0	*3.5
19	156	6	14	*11.0	*17.0	129	14	8	*11.0	*18.5	114	15	8	*8.5	*16.0	91	14	6	*8.5	*16.0	61	9	4	*6.0	*11.0	57	8	4	*9.0	*8.0	52	5	6	*1.5	*3.5	28	2	2	*1.0	*3.0
20	158	3	17	*11.0	*16.0	131	8	10	*9.5	*15.0	114	9	6	*8.0	*15.0	93	8	6	*8.0	*13.5	65	4	8	*5.0	*8.5	59	4	4	*5.0	*9.5	48	8	4	*2.0	*4.5	26	5	2	*2.0	*3.5
21	158	4	16	*11.5	*17.0	133	6	12	*8.0	*13.5	112	10	4	*6.0	*12.0	93	8	6	*6.5	*15.5	65	2	6	*5.0	*8.0	59	3	5	*4.5	*8.5	46	2	4	*2.5	*5.0	26	2	2	*1.0	*3.0
22	158	4	14	*10.5	*16.5	135	6	10	*8.0	*13.5	114	10	6	*8.0	*15.0	95	11	6	*9.5	*14.5	63	10	4	*6.0	*10.0	59	4	6	*5.0	*9.0	46	8	4	*2.5	*5.0	26	0	2	*1.0	*2.5
23	158	4	16	*10.5	*17.0	133	4	10	*10.0	*17.5	114	13	4	*8.0	*15.5	95	8	8	*8.0	*14.0	67	8	10	*5.0	*9.0	57	6	6	*4.0	*8.0	44	4	2	*2.0	*5.0	24	2	0	*0.5	*2.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm
00	158	3	4			128	6	9			107	11	8			96	10	5		
01	158	4	4			128	9	10			109	10	8			96	8	5		
02	158	3	4			128	8	8			107	11	7			96	9	6		
03	158	2	4			130	7	10			109	6	10			98	7	8		
04	158	3	5			130	8	10			107	10	9			96	8	9		
05	158	3	5			128	12	11			107	9	11			94	10	10		
06	157	4	4			126	12	8			95	14	11			70	19	8		
07	156	4	5			124	10	18			91	16	14			64	13	2		
08	155	5	5			123	10	11			85	20	6			65	7	3		
09	156	3	3			122	12	17			91	14	16			66	8	4		
10	156	6	5			122	9	13			89	15	12			64	13	2		
11	156	4	6			120	12	9			85	18	8			66	12	4		
12	155	5	5			122	7	13			85	23	10			66	14	5		
13	156	4	4			123	8	10			89	14	14			66	14	6		
14	158	5	4			122	9	9			89	16	15			66	18	6		
15	159	3	5			122	9	9			92	24	19			66	27	6		
16	159	3	5			124	9	10			93	22	18			68	19	4		
17	158	3	6			122	10	11			101	5	19			88	6	20		
18	158	3	3			125	11	13			103	10	14			96	4	10		
19	159	4	4			128	6	9			108	7	11			96	6	4		
20	160	3	4			128	7	6			105	10	4			98	4	4		
21	159	5	4			128	6	7			107	8	8			97	7	6		
22	158	6	3			128	8	7			106	11	6			96	10	4		
23	158	6	4			128	7	8			108	12	7			98	8	8		

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	71	6	20			58	5	10			37	7	5			25	2	4		
01	69	9	12			57	6	11			35	4	5			25	2	3		
02	65	9	16			57	5	13			34	4	5			25	2	2		
03	69	8	16			55	7	9			35	4	4			25	2	3		
04	71	6	12			53	12	6			33	3	4			25	4	2		
05	68	11	6			57	10	12			33	2	4			25	4	2		
06	65	14	3			57	12	10			35	4	5			25	5	2		
07	57	15	8			55	8	8			37	10	4			25	4	2		
08	*53					*54					*40					*24				
09	55	2	12			50	7	11			36	13	5			25	4	2		
10	55	3	8			49	5	9			36	10	6			27	10	3		
11	55	2	7			47	5	8			35	12	4			25	16	2		
12	53	3	7			43	11	5			37	10	5			27	1	3		
13	51	4	6			41	8	4			33	13	2			29	2	5		
14	51	7	3			45	15	5			39	10	6			27	5	2		
15	53	29	4			46	16	5			41	15	6			27	10	2		
16	57	5	8			53	7	7			43	6	6			29	4	2		
17	59	8	4			57	10	8			45	4	5			27	5	2		
18	67	9	17			58	10	8			41	7	5			27	5	3		
19	71	9	21			59	10	6			41	4	6			27	2	4		
20	69	9	15			60	6	6			37	6	6			25	3	1		
21	70	7	13			57	7	9			37	4	6			25	2	2		
22	70	8	29			57	7	8			37	4	5			25	3	2		
23	73	2	18			57	8	7			36	9	5			25	2	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	153	8	4			126	10	9			106	10	6			91	12	4		
01	153	8	4			126	8	8			108	6	6			89	12	4		
02	153	8	4			126	10	8			106	8	6			89	12	4		
03	153	6	4			126	10	8			106	6	6			89	10	6		
04	153	6	4			124	10	6			104	8	10			89	8	10		
05	153	6	4			124	10	6			102	12	8			85	10	8		
06	153	4	4			122	8	6			90	10	8			61	24	4		
07	151	4	2			118	8	6			74	22	4			59	8	2		
08	151	3	5			117	5	7			*79					61	17	4		
09	149	7	4			114	13	10			78	21	9			59	4	2		
10	149	4	4			116	7	10			78	12	8			59	2	2		
11	149	8	6			112	13	6			76	25	6			59	12	2		
12	149	4	4			115	10	7			78	18	8			59	4	2		
13	151	6	6			116	13	10			78	21	9			59	5	2		
14	153	4	6			116	12	8			76	27	6			59	9	4		
15	153	6	6			118	11	10			76	26	6			59	13	4		
16	153	4	4			116	14	7			77	27	7			59	16	2		
17	152	6	4			116	15	8			90	18	19			72	15	14		
18	153	6	4			120	12	10			98	12	16			85	11	10		
19	155	6	4			124	10	8			100	12	10			87	10	6		
20	155	6	4			122	12	6			102	12	6			91	8	8		
21	155	6	4			124	10	8			104	12	6			90	11	5		
22	153	6	2			124	10	8			106	10	6			91	12	6		
23	153	6	4			125	9	7			106	8	6			91	10	6		

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	67	3	7			58	9	7			38	6	6			28	2	0		
01	65	8	7			58	4	4			36	10	4			28	2	1		
02	61	9	5			60	4	6			36	4	4			28	2	0		
03	61	10	2			58	5	4			36	8	4			28	2	2		
04	62	10	8			59	5	7			36	7	5			28	2	3		
05	61	7	4			56	8	2			34	3	4			28	1	2		
06	61	7	8			58	6	5			36	6	3			28	2	3		
07	53	12	6			52	6	4			40	8	5			28	4	2		
08	51	2	10			*52					*40					*28				
09	*52					50	4	6			38	10	6			28	2	0		
10	51	4	4			48	2	6			34	10	4			28	3	1		
11	49	5	2			44	7	5			32	12	4			28	2	0		
12	49	4	4			42	11	4			35	10	5			28	2	1		
13	49	4	2			45	7	7			40	8	7			28	8	0		
14	48	5	3			*43					38	11	2			28	4	0		
15	50	5	4			46	7	6			40	10	4			30	3	2		
16	49	6	8			47	9	5			42	11	3			30	8	2		
17	50	9	5			52	15	4			44	10	4			30	5	2		
18	57	17	4			52	13	5			46	4	6			30	3	2		
19	61	18	2			58	10	8			42	7	2			30	2	2		
20	63	14	4			58	9	4			40	6	5			30	0	3		
21	65	12	4			60	8	6			40	8	8			30	0	2		
22	67	10	8			60	11	5			40	6	6			30	0	2		
23	67	12	6			59	9	5			41	10	7			30	0	2		

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	154	4	2			122	8	4			104	8	6			88	8	4			60	10	3			53	8	4			39	9	4			21	2	2		
01	154	2	2			124	6	4			104	6	6			88	8	4			64	8	6			53	6	6			35	17	3			23	0	2		
02	154	2	2			122	10	2			104	8	8			88	10	6			62	11	8			53	8	4			35	19	4			21	2	2		
03	154	2	4			122	12	4			102	10	6			86	12	4			60	13	4			55	6	7			35	17	6			21	0	2		
04	154	4	2			122	10	4			100	12	6			86	10	6			62	12	4			53	10	6			33	2	4			20	1	2		
05	154	4	2			122	10	4			98	10	6			84	10	6			60	10	8			53	6	4			33	4	4			19	2	2		
06	154	2	2			118	6	4			83	15	9			58	8	2			58	5	5			51	12	6			37	6	2			21	0	6		
07	152	2	2			114	6	6			70	28	4			58	4	2			50	3	5			47	3	7			37	7	2			21	2	5		
08	150	4	3			114	6	10			*77					*60					49	3	7			*39					*39					*21				
09	150	6	4			108	15	6			72	25	5			60	2	3			48	4	6			40	11	4			35	14	6			21	2	0		
10	150	4	6			113	7	11			70	22	2			58	4	2			46	6	2			39	8	2			31	14	2			21	2	0		
11	148	4	2			110	10	6			70	22	4			60	2	4			46	6	0			39	8	6			29	10	3			21	2	0		
12	150	4	4			112	8	6			72	18	4			58	2	2			46	4	2			37	8	3			33	10	4			21	5	0		
13	152	4	4			112	8	2			70	18	4			58	4	2			46	4	2			37	7	3			37	4	5			23	0	2		
14	152	4	2			116	6	4			72	10	4			58	4	2			46	4	3			39	6	3			36	6	3			23	2	2		
15	154	2	4			116	6	4			72	14	4			58	4	2			47	3	3			39	6	6			39	4	6			23	3	3		
16	154	4	2			116	6	6			70	16	4			58	2	2			48	2	6			41	4	3			41	6	2			23	4	2		
17	154	2	4			116	4	6			76	18	8			60	10	2			46	4	0			45	7	3			43	4	4			23	4	2		
18	152	4	2			116	8	8			92	12	8			80	8	6			52	11	2			53	3	8			46	3	3			23	3	4		
19	156	2	4			122	8	4			98	8	4			84	10	2			60	10	4			54	5	5			44	10	6			23	3	3		
20	156	2	4			123	9	5			100	6	4			86	12	4			64	5	7			53	6	4			41	5	7			23	0	2		
21	154	4	2			122	8	4			102	8	6			88	10	4			64	6	7			52	7	7			39	8	4			21	2	2		
22	154	4	2			122	8	4			103	9	5			87	11	3			62	5	5			55	4	5			43	7	8			21	2	5		
23	154	4	4			122	8	4			104	6	4			88	8	4			62	5	10			53	6	3			37	13	6			21	2	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month August 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	4	9			130	5	8			107	9	6			86	11	10			62	5	9			55	8	10			32	14	4			41	3	8		
01	157	2	8			130	6	4			109	8	7			84	15	4			61	6	6			54	6	14			31	9	4			42	2	7		
02	157	3	8			130	6	8			107	11	8			82	15	6			60	5	5			53	6	7			31	7	6			42	2	8		
03	155	4	5			130	6	8			107	10	11			82	12	10			61	5	7			53	3	11			30	9	7			42	2	9		
04	157	1	9			128	8	6			103	14	8			76	14	10			61	4	9			51	4	18			30	12	8			42	2	9		
05	157	1	9			126	8	4			89	20	8			60	21	4			57	5	6			51	8	14			29	12	4			42	2	5		
06	157	1	9			122	9	4			79	28	6			56	14	0			51	7	4			45	10	8			33	9	6			42	2	6		
07	157	3	9			118	13	4			74	29	1			56	20	2			51	5	4			37	13	8			30	11	6			41	3	6		
08	153	3	7			*117					*79					*56					49	2	7			31	12	6			*27					*42				
09	*153					*116					*85					*62					*51					*29					*29					*41				
10	151	5	5			118	10	8			81	11	4			56	10	2			*49					*30					*24					*41				
11	152	4	6			120	5	6			87	8	6			59	12	5			*49					*27					*23					*41				
12	153	5	5			123	5	5			86	22	6			58	28	2			*49					*27					*24					*41				
13	156	2	5			122	8	2			89	19	7			58	31	3			49	2	4			33	9	6			25	4	2			*41				
14	157	3	6			126	8	4			94	16	13			59	31	3			49	2	2			37	6	6			*29					*41				
15	157	2	4			125	9	5			96	17	17			72	22	16			51	3	4			41	8	11			33	12	7			41	2	8		
16	157	2	3			126	13	4			91	32	12			68	36	12			53	10	6			44	7	8			33	17	5			41	1	6		
17	157	2	7			125	12	4			91	26	11			64	31	8			59	8	10			50	6	10			37	18	3			41	2	5		
18	155	4	6			126	7	7			93	21	14			70	26	7			61	8	9			51	8	8			39	12	3			41	2	6		
19	155	3	6			126	5	5			99	14	6			80	25	4			66	3	10			57	6	14			41	6	11			41	3	3		
20	155	3	5			130	5	8			105	11	6			84	13	5			67	2	6			57	5	10			39	12	6			41	2	3		
21	155	2	8			129	4	7			105	9	8			86	11	6			63	4	6			55	5	18			38	6	8			41	2	6		
22	156	3	7			130	4	7			105	9	7			86	11	7			63	3	8			55	2	15			33	8	5			41	3	4		
23	157	1	9			132	4	6			107	11	10			86	11	6			63	4	8			55	1	11			32	8	6			41	2	3		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month August 19 63

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm*	Ldm*	Fom	Du	Dℓ	Vdm*	Ldm*	Fom	Du	Dℓ	Vdm*	Ldm*	Fom	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fom	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fom	Du	Dℓ	Vdm*	Ldm*
00	121	13	11	6.0	9.5	115	13	14	3.5	7.5	102	12	14	4.0	9.5	87	7	12	5.0	9.5	65	4	16	3.5	6.0	61	8	14	6.5	8.5	45	7	10	1.0	4.0	27	8	3	6.5	8.5
01	120	14	8	7.0	11.0	115	12	13	5.0	9.0	102	12	14	6.0	9.0	89	5	11	7.0	10.0	63	8	14	4.5	7.5	58	4	11	3.0	6.5	42	10	10	1.5	4.0	25	5	2	0.5	2.5
02	123	13	11	8.5	13.0	115	13	12	5.0	9.0	100	16	14	4.0	8.0	89	6	15	3.0	7.0	65	4	18	5.0	8.5	57	4	14	4.0	6.5	43	10	13	3.0	5.0	25	4	2	1.0	2.0
03	124	12	15	8.0	14.0	116	12	15	5.0	8.5	103	11	17	4.0	8.5	88	8	22	3.0	7.0	65	4	14	6.0	9.0	55	7	13	5.0	7.5	43	11	8	2.0	5.0	24	4	2	1.0	2.5
04	126	10	16	9.0	13.5	117	12	17	4.0	8.5	100	14	15	5.0	9.0	90	8	18	4.0	7.5	65	4	12	3.0	7.5	53	10	14	5.0	6.5	39	10	10	3.5	7.0	23	4	2	1.0	2.0
05	124	12	12	8.0	13.0	115	14	18	5.0	8.0	98	13	15	6.5	11.0	88	8	13	2.0	4.0	63	8	10	3.0	8.0	51	11	14	3.5	6.5	39	8	10			23	4	1	1.0	3.0
06	122	10	14	8.5	14.5	109	9	20	5.0	7.5	82	12	15			78	15	7			62	11	17	3.5	7.0	56	9	11	4.5	9.5	39	9	11	5.0	7.5	23	4	2		
07	114	12	13	6.5	8.0	99	8	14	4.0	5.0	82	10	13	5.0	8.0	87	15	9	2.5	4.5	46	11	12	6.5	8.0	56	9	9	5.0	10.0	41	9	10	5.5	10.5	23	4	1	3.0	2.5
08	111	12	13	1.0	2.0	101	9	16	1.0	3.0	84	8	12	4.5	7.5	87	17	10			41	9	8	4.5	7.0	50	6	10	7.5	11.0	37	16	6	4.5	9.5	*25			2.5	3.0
09	116	6	16	2.5	3.0	103	10	19	2.0	3.0	82	10	6	5.0	7.5	91	13	6	3.0	4.0	41	9	12	5.0	8.5	47	8	8	4.0	8.0	39	10	14			25	4	2	6.5	9.0
10	112	12	15	3.5	4.5	101	9	15	3.0	5.0	80	15	8	7.0	10.5	92	13	8	6.0	7.5	37	7	12	6.5	9.0	41	7	6	2.0	3.5	39	8	11			25	6	3	6.5	9.5
11	108	14	12	1.0	2.5	97	13	14	4.5	5.0	80	11	7	4.0	7.0	90	11	6			34	8	6	6.0	6.0	39	6	8	3.5	6.0	42	7	10	7.5	12.0	26	9	3	7.0	10.5
12	116	8	16	5.0	6.0	97	13	11	5.5	6.5	78	11	4	3.0	5.0	90	12	10	3.0	4.0	33	8	8	4.0	6.0	37	10	5	3.5	6.5	41	6	9	7.0	12.0	27	10	4	9.0	12.0
13	115	9	18			100	8	14			78	12	6			92	10	11	2.0	2.5	33	11	5	3.5	5.5	38	9	8	2.5	6.0	41	6	10			26	15	1		
14	116	7	12	1.0	3.0	100	12	9	1.0	2.5	82	8	12	7.0	10.0	91	12	9	3.5	4.0	37	14	10	5.5	8.0	41	5	8			42	7	10	5.0	9.0	29	15	3	3.0	4.0
15	115	8	16	5.0	7.0	99	13	11	6.5	7.0	77	20	5	4.0	6.5	88	14	6	1.5	3.0	39	4	11	3.5	6.0	43	8	8	6.5	8.0	*43			7.0	11.5	30	7	5	3.5	7.0
16	112	9	12			97	14	12	6.5	7.0	78	14	5	6.0	10.0	88	12	10	1.0	2.0	40	8	13	3.5	8.0	47	7	8	6.0	11.0	47	7	12	6.0	10.0	29	6	3	4.0	5.5
17	116	10	12			96	19	6	8.0	9.0	80	12	6	12.5	12.5	*88			1.0	3.0	47	8	7	3.5	5.5	53	8	4	5.0	10.5	47	22	8	5.5	9.0	*27			2.0	2.5
18	119	10	16			107	11	13	3.5	6.5	89	12	13	9.0	12.0	88	7	14			*57			5.0	8.5	55	12	7	4.5	10.0	49	18	7	3.5	5.0	29	2	4	2.0	3.5
19	116	14	12	7.0	11.5	107	10	14	6.5	12.0	94	10	10	4.0	9.0	86	8	12			60	7	16	3.5	7.5	55	8	6	4.5	9.5	47	8	7	4.0	6.0	29	3	4	1.5	3.5
20	118	12	10	7.0	10.0	108	11	10	4.0	7.5	97	9	11	4.0	9.0	89	8	12	1.5	5.0	61	7	16	5.0	9.0	60	6	10	5.0	9.0	43	6	4	5.0	8.0	29	8	5	4.0	7.5
21	117	14	8	5.0	10.0	108	10	8			98	10	8	6.0	7.5	90	8	12	3.0	5.5	61	9	11	4.0	8.0	59	9	10	4.5	9.0	41	8	4	8.0	10.5	33	4	9	5.5	9.0
22	124	9	16	4.5	8.5	114	9	13	4.0	7.0	102	8	12	5.0	9.0	91	9	10	2.0	3.5	63	8	10	3.5	8.0	61	8	12	2.5	7.0	45	6	7	8.0	11.0	37	3	7	5.5	9.0
23	124	10	14	5.5	10.0	115	10	15	4.5	7.5	100	12	12	7.0	13.0	90	8	8			63	8	10	5.5	10.0	61	7	10	4.0	6.5	43	9	3	6.5	9.0	31	3	10	3.5	5.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	164	2	4	9.5	14.0	144	2	6	9.0	15.0	126	4	6	7.5	13.0	102	2	6	6.5	13.0	66	5	7	6.0	11.0	57	6	6	5.0	8.5	40	8	4	4.0	7.5	26	0	4	2.5	4.5
01	164	2	3	*10.5	*16.0	144	4	4	*8.0	*13.0	126	2	6	*9.0	*16.5	100	6	2	*8.0	*14.0	65	6	6	6.0	12.5	61	4	12	6.0	10.0	40	4	6	4.5	7.0	26	0	4	2.5	4.0
02	164	4	4	*8.0	*15.0	144	4	5	9.0	15.0	126	6	4	*8.0	*14.0	102	6	4	*7.5	*14.0	67	4	8	6.0	11.0	59	4	8	5.0	9.0	40	4	8	4.5	7.0	26	0	4	2.5	4.5
03	164	6	4	*9.0	*15.5	146	4	6	10.0	17.5	126	6	8	*10.0	*17.5	102	4	6	*7.0	*14.0	67	4	6	6.0	12.0	56	4	8	5.5	9.5	38	6	6	*6.0	*9.5	26	2	2	2.0	4.0
04	166	2	4	10.0	17.0	147	1	7	10.0	17.0	128	4	10	*10.5	*19.5	103	3	11	*8.0	*15.5	67	4	10	8.0	13.0	53	8	9	5.0	9.0	34	10	2	4.0	5.5	26	2	2	2.0	4.0
05	164	6	2	9.5	16.0	144	6	8	*9.0	*17.0	124	6	12	11.0	22.0	99	7	9	*12.0	*22.5	65	8	8	7.5	13.5	55	6	8	5.5	10.0	38	10	6	*5.0	*8.0	26	6	2	2.0	4.0
06	164	4	4	10.0	16.0	140	8	8	*13.0	*22.0	120	8	16	*13.0	*24.0	90	19	8	*11.5	*23.0	61	8	8	10.5	18.0	57	5	9	7.0	14.0	42	4	4	6.0	10.0	26	6	2	2.5	4.5
07	164	2	4	*11.5	*18.5	140	10	10	*13.0	*22.5	116	14	14	*13.0	*25.0	92	12	14	*13.5	*26.0	55	8	10	10.0	18.0	52	7	9	*10.5	*17.0	42	6	4	7.5	12.5	26	6	2	5.0	7.0
08	164	4	4	*13.0	*22.0	140	9	13	*10.5	*19.5	118	12	10	*14.0	*26.5	92	16	16	*15.0	*29.0	47	14	8	*9.0	*16.0	50	9	12	*10.5	*16.0	38	8	4	*8.0	*12.5	26	6	2	*5.0	*8.0
09	163	9	3	*14.5	*23.0	139	12	11	*15.0	*26.0	117	16	17	*14.0	*26.0	85	14	12	*15.0	*28.5	43	22	12	*9.0	*13.0	45	12	15	*12.5	*19.0	40	6	7	*10.0	*16.0	26	4	3	*5.0	*7.0
10	166	3	6	*14.0	*23.0	140	10	10	*14.0	*24.0	116	18	15	*14.0	*26.0	90	19	17	*13.0	*26.0	40	24	11	*7.0	*11.0	41	24	12	9.5	14.5	40	6	10	*8.0	*14.0	26	8	4	4.0	6.0
11	166	7	6	*11.0	*19.5	140	14	10	*12.0	*22.5	121	15	19	*13.5	*25.5	92	30	14	*8.0	*16.0	37	41	8	*9.0	*14.0	41	30	16	*8.0	*14.0	38	18	6	*8.5	*14.0	28	18	6	*4.0	*6.0
12	166	8	6	*12.5	*20.5	140	14	12	*13.5	*22.5	118	20	14	*15.0	*27.0	96	21	16	*13.5	*28.0	44	38	15	*12.5	*19.5	39	29	14	*9.0	*15.5	38	17	8	9.0	13.5	26	16	4	6.5	10.0
13	166	9	6	*13.0	*21.0	140	16	6	*13.5	*23.0	120	14	16	*12.5	*26.0	98	16	19	*13.5	*24.5	52	29	17	*9.0	*13.0	46	21	15	*9.5	*16.0	40	10	6	7.0	12.0	27	14	3	5.5	7.0
14	166	10	6	12.5	20.0	140	16	8	*13.0	*22.0	119	19	15	*12.0	*23.0	96	22	16	*12.0	*22.0	55	22	20	10.0	17.0	45	22	11	9.0	16.0	40	13	3	7.0	10.0	26	17	2	3.0	6.0
15	166	8	4	*11.0	*18.0	142	12	10	*12.0	*20.0	118	18	12	*11.0	*21.0	96	22	18	*10.0	*20.0	51	26	17	11.0	19.0	47	20	6	7.0	12.5	42	11	4	7.0	12.0	30	15	4	5.0	8.0
16	166	6	4	*10.0	*15.5	142	8	12	*11.0	*18.5	118	12	10	*10.5	*20.0	96	14	12	*8.0	*16.0	53	22	8	7.5	16.5	53	8	8	7.5	14.0	44	6	2	6.5	9.5	32	6	6	4.0	7.0
17	166	4	6	8.0	13.5	142	4	12	11.0	19.0	116	10	8	*9.5	*17.5	94	8	14	*7.5	*13.5	61	8	8	7.5	14.5	56	7	16	6.5	11.0	46	6	4	5.0	7.0	30	6	2	3.0	6.0
18	164	4	4	9.5	15.0	142	6	8	*10.0	*18.0	122	4	6	*7.5	*15.0	98	6	4	7.0	14.0	65	6	4	6.0	11.0	62	3	7	5.0	9.0	48	2	4	4.5	8.5	32	4	4	3.5	6.0
19	164	4	4	9.0	14.5	142	6	4	*9.5	*17.0	124	6	6	*7.5	*14.0	100	6	2	6.0	13.0	67	6	6	6.5	12.0	63	6	8	6.0	11.5	48	4	4	4.0	7.0	30	7	4	*3.0	*5.0
20	164	4	4	*9.5	*15.0	142	8	4	*9.0	*15.0	124	4	4	9.0	16.5	100	6	4	*6.0	*12.5	68	3	7	7.0	11.5	61	8	6	*5.5	*9.0	46	6	2	4.0	6.5	28	6	2	3.0	5.5
21	162	6	4	*10.0	*15.5	142	6	4	8.5	16.5	124	4	6	*8.0	*14.0	100	4	4	*7.5	*14.5	67	4	8	6.5	12.0	59	4	8	5.0	9.0	46	4	4	4.0	7.0	26	2	2	2.5	4.0
22	162	6	2	*9.0	*14.0	142	4	4	*10.0	*17.0	124	4	8	8.0	14.5	100	6	6	*7.0	*12.5	65	6	6	6.0	11.0	59	2	8	5.0	9.0	44	4	6	4.0	6.5	26	2	2	2.5	4.0
23	162	4	2	*8.0	*13.5	144	4	6	*9.0	*15.5	124	4	8	8.0	15.0	100	4	4	*6.5	*12.0	64	7	5	6.0	11.5	56	7	17	4.5	9.0	42	7	4	4.5	7.0	26	0	2	2.5	4.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	162	3	4	10.5	16.0	143	4	4	9.5	15.0	124	4	4	8.0	15.0	98	6	1	8.0	15.0	65	2	6	*6.5	*11.5	56	4	6	5.0	9.5	40	7	4	*2.5	*5.0	26	1	2	2.0	3.5
01	162	5	4	10.0	15.0	143	4	4	10.0	16.0	125	5	5	9.0	15.5	100	5	4	9.0	17.5	63	4	4	5.0	10.0	54	5	5	*4.0	*7.0	38	7	4	3.0	4.5	26	0	2	2.0	3.5
02	164	4	6	10.5	17.0	145	3	6	9.0	15.5	123	7	6	9.5	16.5	99	7	5	8.5	15.5	63	6	4	5.0	10.0	52	6	2	4.0	7.0	34	5	2	2.5	4.0	26	0	2	2.0	3.5
03	164	4	8	10.5	17.0	144	3	7	10.0	16.5	124	6	13	*9.0	*16.0	98	6	7	8.5	16.0	63	4	5	5.0	9.0	52	5	5	4.0	7.0	34	7	4	3.0	4.5	24	2	0	1.5	3.0
04	164	2	6	11.0	17.5	145	2	8	11.0	17.5	124	4	8	9.5	17.0	98	5	8	9.5	19.5	63	6	5	*6.0	*11.0	47	10	15	5.0	9.0	32	8	2	2.5	4.0	24	2	0	2.0	3.5
05	164	3	6	10.5	17.0	143	3	7	10.5	17.0	123	5	10	10.0	16.0	95	9	7	*12.0	*24.5	65	3	9	6.5	12.5	48	9	6	*7.0	*12.0	34	6	2	3.5	5.0	24	2	0	2.0	3.5
06	162	4	4	10.5	16.0	141	4	10	12.5	20.0	120	5	13	*14.0	*24.0	90	8	12	*14.0	*26.0	61	6	11	*7.0	*13.5	56	4	6	6.5	11.5	44	7	7	*3.0	*5.5	24	3	0	2.0	3.0
07	164	2	8	12.0	19.0	139	7	14	14.5	25.0	118	11	16	16.0	27.0	89	14	12	*12.0	*24.0	53	9	14	7.5	*16.5	54	4	10	*7.0	*13.5	44	6	8	*4.0	*6.0	24	4	1	1.5	3.5
08	162	4	6	13.0	22.5	140	12	12	*17.0	*27.0	119	7	18	*13.5	*24.0	88	15	14	*8.0	*15.5	46	15	9	*9.0	*15.5	48	8	17	*7.5	*15.0	41	6	8	*6.0	*10.5	24	2	2	*2.0	3.5
09	162	4	7	*15.0	24.0	137	7	9	*14.0	*23.5	114	12	12	*13.5	*25.0	86	16	14	*10.0	*21.0	39	18	8	*7.0	*14.0	42	5	10	*9.5	*16.0	38	7	5	*7.0	*11.5	22	4	0	*2.0	*4.0
10	164	2	8	13.0	22.0	135	8	10	16.0	27.0	108	16	14	*14.5	*25.5	83	15	19	*14.0	*24.5	37	18	8	*8.0	*10.5	38	10	9	*10.0	*16.0	40	4	12	*6.0	*9.5	24	2	2	2.5	4.0
11	162	4	7	13.0	21.0	135	8	8	*13.0	*23.0	110	16	17	*17.0	*29.0	86	17	15	*17.0	*28.0	35	13	7	*7.0	*11.0	38	8	10	*7.5	*14.0	38	9	10	7.5	11.0	24	14	2	*2.5	*4.5
12	162	6	5	12.0	20.0	135	12	7	13.5	22.5	110	20	15	*15.5	*25.5	88	22	16	*12.0	*23.5	35	27	8	*10.0	*16.0	38	13	12	*10.0	*17.0	38	9	9	*8.5	*14.0	26	7	4	3.0	4.5
13	162	7	4	12.0	19.0	137	13	7	12.0	20.0	114	18	12	11.0	19.0	92	19	17	*15.0	*25.5	41	28	12	*8.0	*11.5	40	17	9	*8.5	*14.5	40	8	10	*7.0	*10.0	26	10	2	*4.0	*6.0
14	166	7	7	13.0	19.5	139	14	10	11.0	18.5	122	12	20	9.0	20.0	100	12	15	12.0	23.0	48	26	17	*5.5	*11.0	46	16	13	*8.5	*15.0	44	5	9	*5.5	*9.0	26	10	2	*2.5	*4.0
15	166	7	6	11.0	17.5	141	12	11	11.0	18.0	119	14	14	12.5	21.5	96	17	14	*12.5	*23.5	55	18	19	*6.5	*11.5	48	11	9	*5.0	*9.0	46	6	6	*6.0	*8.0	28	8	4	1.5	3.0
16	166	5	6	10.0	17.0	141	10	11	10.5	18.5	118	16	13	12.0	20.0	96	15	15	11.5	23.5	55	14	12	*5.5	*10.0	52	10	10	*6.5	*10.5	46	7	4	5.0	9.0	28	12	2	3.0	5.0
17	164	5	4	10.5	17.0	139	11	6	12.5	20.0	118	10	8	13.0	22.0	94	14	10	*9.0	*17.0	61	8	10	*5.5	*10.0	56	6	6	*6.0	*11.0	48	8	4	4.0	6.5	30	2	4	2.5	4.0
18	162	6	4	10.0	15.5	141	10	9	*12.0	*18.0	120	10	4	9.5	17.0	100	13	6	7.0	13.5	67	6	8	6.0	10.0	58	6	5	*5.0	*9.0	48	6	4	*4.5	*7.0	28	12	2	*3.0	*4.5
19	161	7	3	11.5	16.5	141	7	6	9.5	18.0	124	5	6	8.5	15.0	102	8	4	9.5	18.0	69	5	5	5.5	10.0	60	3	7	*6.0	*9.5	46	6	2	4.0	7.0	26	10	0	2.0	3.0
20	160	6	3	9.0	16.0	142	5	6	11.0	18.0	124	6	5	8.0	15.5	100	8	4	6.5	13.5	67	4	4	6.0	11.0	58	4	4	*5.0	*9.0	46	6	2	4.0	6.0	26	8	0	2.0	3.0
21	160	5	4	10.0	15.0	142	6	6	10.0	17.0	124	5	6	10.5	19.0	100	6	4	8.0	16.0	65	5	4	6.0	10.5	56	4	4	*6.0	*9.0	44	3	2	3.0	5.5	26	4	2	2.5	3.5
22	162	6	5	10.5	15.5	141	6	5	11.5	19.0	124	5	4	9.5	17.0	100	7	2	8.5	16.5	67	3	7	*5.0	*10.0	56	4	12	*5.0	*8.5	42	4	2	*3.5	*6.0	26	3	2	1.5	3.0
23	160	7	2	10.0	15.0	143	4	6	10.5	17.0	124	4	6	9.0	16.0	102	3	6	8.5	16.5	65	5	4	5.0	9.0	56	3	11	*4.5	*8.5	42	4	4	*3.5	*5.5	26	0	2	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	160	5	5	8.0	13.0	139	6	4	8.5	13.5	119	8	8	9.0	17.5	94	4	6	10.0	16.5	60	6	4	7.0	12.0	56	2	6	6.0	10.5	43	9	8	3.0	5.5	22	2	6	2.0	3.5
01	159	6	2	8.0	13.0	140	7	5	*8.0	*13.5	119	8	8	*8.5	*13.0	96	2	6	*10.0	*19.0	64	4	10	8.0	14.0	54	6	6	4.5	8.0	39	6	6	3.0	5.0	24	2	4	2.0	2.5
02	160	6	4	9.0	14.0	143	4	8	9.0	15.0	121	6	8	*11.0	*17.5	93	7	5	*9.0	*19.0	64	4	9	6.0	10.5	54	6	6	4.0	7.5	39	8	8	3.0	4.5	22	2	2	2.0	4.0
03	163	4	5	9.5	15.0	141	6	6	*10.0	*16.0	119	6	6	*13.0	*21.0	94	4	7	*8.5	*18.5	64	8	10	6.0	11.0	54	4	15	6.0	10.0	33	9	4	5.0	8.0	22	2	0	1.0	2.5
04	161	6	5	9.0	14.5	141	4	4	*10.0	*17.0	121	6	4	11.0	19.5	96	6	8	*11.0	*21.5	64	6	10	6.0	12.0	48	8	15	6.0	10.0	33	10	4	2.0	4.0	22	4	0	3.0	5.0
05	162	4	5	9.5	15.0	140	3	7	11.0	18.0	119	6	10	*14.5	*23.5	92	7	9	*12.5	*24.5	62	8	8	7.0	15.0	50	4	16	5.5	9.5	31	6	0	3.0	5.0	22	2	0	1.5	3.0
06	158	6	2	*10.5	*17.5	134	9	5	*12.5	*21.0	113	11	15	*13.0	*26.0	84	21	16	*2.5	*4.0	56	6	10			52	6	16	7.0	11.5	45	6	4	4.0	6.5	22	5	2	1.5	3.5
07	158	4	2	11.0	17.0	130	15	5	14.0	23.0	111	17	25	*16.0	*>30.0	78	25	10	*15.0	*29.0	48	13	10			48	8	8			43	4	6	3.0	5.5	22	4	2	2.5	4.0
08	158	5	2	12.0	19.5	129	12	6	*16.0	*25.0	105	14	14	*17.0	*30.0	*74			*15.0	*22.0	40	22	8			42	10	8			43	4	4			20	4	0	2.0	3.5
09	160	4	6	*12.5	*20.5	*129			*13.5	*21.0	*106			*13.0	*25.0	*81			*9.0	*15.5	32	26	4	8.5	13.5	*37			12.0	17.0	*41			4.0	6.0	*20			1.0	2.5
10	*158			*13.0	*21.0	*131			*13.0	*21.5	*103			*16.0	*28.0	78	26	8			*32			6.0	8.5	*34			10.5	16.0	41	4	4			20	10	0	1.5	3.0
11	160	6	6	*13.0	*19.0	130	17	7	*12.0	*21.0	99	30	20	*12.5	*21.0	78	30	6			31	30	7	3.5	7.5	34	21	10	10.0	14.0	41	6	4	4.5	7.0	20	11	4	2.0	3.5
12	160	8	7	*11.5	*19.5	133	12	10	*16.0	*25.0	104	27	18	*11.5	*20.0	81	27	9	*15.5	*26.0	30	38	4	10.5	16.0	32	18	24	9.5	14.5	41	4	4	3.0	6.0	22	8	2	2.0	4.0
13	160	4	4	*10.0	*16.0	135	13	6	13.0	20.5	105	24	11	*15.5	*28.0	88	21	16	*15.0	*30.0	36	32	4	9.0	13.0	37	21	9	10.5	15.5	43	2	6	4.0	6.5	24	8	4	5.0	7.5
14	163	7	3	10.5	17.0	141	12	10	*12.5	*21.0	114	17	18	*12.5	*24.0	96	14	25	*13.5	*25.0	48	24	14	8.0	16.5	45	16	13			44	5	5			26	6	4	3.0	5.5
15	164	4	4	*11.5	*18.0	139	8	8	*12.0	*22.0	116	9	16	*11.0	*21.0	94	8	20	*12.5	*23.0	53	15	18	8.5	16.5	46	8	9			43	6	2	2.0	6.0	24	2	0	3.0	5.0
16	164	2	4	10.0	16.5	139	6	8	*11.5	*20.0	113	11	10	*13.0	*22.5	88	12	18	*13.5	*25.0	54	6	6			48	6	26			49	2	4	2.0	4.0	26	2	2	3.0	5.0
17	162	6	4	10.0	15.5	137	6	6	*12.5	*20.0	112	7	7	*9.0	*17.0	90	8	9	*8.0	*16.0	56	8	12	9.0	16.0	51	5	26	6.0	10.5	50	5	1	2.5	5.0	26	2	2	3.0	5.0
18	160	3	5	*9.5	*15.5	137	6	6	10.0	18.5	117	4	2	*9.0	*19.5	94	6	4	8.5	16.0	58	6	2	7.0	12.5	56	4	6	6.5	10.5	49	4	4	2.5	5.0	24	2	0	3.0	5.0
19	160	4	4	10.5	16.5	138	5	5	*11.0	*17.5	111	4	8	9.0	17.5	96	4	6	*9.0	*18.0	62	4	6	6.0	11.5	56	4	6	6.0	10.0	49	5	2	3.5	6.0	24	4	2	2.0	4.0
20	158	6	2	*10.5	*15.5	139	6	6	10.0	18.5	119	6	6	*11.5	*20.5	94	6	2	*8.0	*16.5	62	4	6	6.5	12.5	56	4	6	5.0	8.5	49	4	4	2.0	4.0	24	2	0	1.5	3.0
21	158	4	4	*8.0	*13.0	139	6	6	*11.0	*18.5	121	5	6	10.0	17.0	98	2	8	8.0	16.0	60	8	6	7.5	13.0	54	6	8	4.0	10.0	47	8	4	3.0	5.5	24	2	2	2.0	3.5
22	159	9	3	*10.0	*15.0	137	8	4	*10.5	*16.0	121	4	6	*8.0	*15.0	96	4	8	*9.0	*16.0	60	6	6	7.0	13.5	56	4	14	6.0	10.5	45	2	4	3.0	6.0	24	2	2	2.0	4.0
23	160	6	5	8.0	13.0	139	6	6	9.0	15.0	121	5	8	*8.5	*15.0	94	6	6	*8.0	*15.0	60	4	6	5.0	9.0	54	6	25	5.0	8.5	43	6	4	4.5	6.5	22	2	2	2.0	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	164	6	6			144	8	8			123	10	6			100	12	4		
01	162	6	4			144	6	8			123	8	10			100	10	4		
02	164	2	6			144	4	6			123	6	10			100	8	8		
03	162	4	6			142	6	5			121	10	8			100	12	12		
04	162	6	6			142	4	6			119	11	14			91	10	12		
05	160	4	6			140	6	10			117	11	8			86	24	13		
06	160	2	6			138	6	10			118	9	14			90	15	20		
07	160	4	5			136	8	9			117	8	14			94	12	22		
08	160	4	3			137	6	6			116	7	17			*90				
09	*158					136	9	11			111	16	12			85	15	14		
10	160	4	9			135	7	7			111	17	15			83	21	12		
11	162	8	6			138	8	4			113	18	14			88	24	14		
12	162	8	4			140	10	6			115	21	14			90	26	14		
13	164	6	6			142	10	6			121	14	14			94	24	16		
14	166	6	6			144	12	8			125	12	12			101	17	17		
15	164	10	4			144	10	8			125	10	12			100	14	12		
16	164	8	4			144	10	6			125	12	10			98	18	16		
17	164	6	4			144	10	6			125	12	14			96	24	18		
18	164	6	6			144	10	6			123	12	8			98	16	18		
19	164	4	6			144	8	8			127	14	14			98	14	18		
20	164	4	6			146	6	10			127	6	16			100	12	12		
21	164	6	6			146	8	8			125	10	10			100	16	12		
22	164	6	6			144	10	6			125	12	10			100	14	10		
23	164	6	6			144	8	6			123	12	8			100	14	6		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm
00	162	8	2			144	6	4			123	10	4			104	8	6		
01	162	6	2			144	6	2			125	7	6			104	8	6		
02	162	4	2			144	4	2			125	5	6			104	4	6		
03	162	4	4			144	4	4			123	6	6			102	9	6		
04	162	4	4			142	8	4			123	6	9			96	8	9		
05	160	4	4			140	8	4			119	10	10			92	17	14		
06	160	4	4			140	8	6			119	11	8			90	16	12		
07	160	4	4			140	6	6			119	10	10			90	17	12		
08	158	5	3			140	6	8			117	9	12			86	12	7		
09	*160					139	10	7			115	12	14			86	16	14		
10	158	6	5			136	10	4			111	16	8			83	22	11		
11	160	5	6			137	10	4			112	17	12			86	19	16		
12	162	4	6			140	9	5			115	14	9			90	18	19		
13	164	2	6			142	8	5			119	16	8			92	25	19		
14	165	3	5			144	9	6			123	13	13			96	18	20		
15	166	4	4			146	8	6			123	12	10			100	14	19		
16	166	4	4			144	9	4			123	12	7			97	16	15		
17	166	4	3			146	7	6			124	10	8			94	18	13		
18	166	3	4			144	7	4			123	10	8			94	16	13		
19	164	3	4			144	5	4			123	9	8			94	13	8		
20	164	2	4			146	5	6			123	10	6			100	12	6		
21	164	4	6			146	6	6			125	10	6			102	10	6		
22	162	8	2			146	6	6			123	12	4			104	9	6		
23	164	8	4			146	8	5			125	10	6			104	8	6		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495																							
	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	166					146					125					105																							
01	166					146					125					104																							
02	165					146					124					103																							
03	165					146					123					103																							
04	164					145					123					102																							
05	162					142					115					81																							
06	162					139					114					81																							
07	160					136					111					77																							
08	160					134					107					74																							
09	158					132					105					73																							
10	159					132					105					73																							
11	159					133					106					73																							
12	162					136					109					89																							
13	162					140					115					91																							
14	164					140					117					88																							
15	166					140					117					89																							
16	166					142					119					85																							
17	166					142					119					81																							
18	164					140					115					83																							
19	162					142					117					95																							
20	164					142					119					99																							
21	164					142					119					101																							
22	164					142					121					103																							
23	164					142					121					103																							

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Summer(June July Aug) 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	170	14	7	11.0	16.5	170	16	8	12.0	18.5	170	14	8	12.0	20.0	170	14	6	11.0	18.0	168	16	6	9.5	16.0	168	16	6	11.0	16.0
** .051	147	6	4	10.0	15.5	147	4	6	12.0	17.5	143	8	8	15.0	21.0	145	10	8	13.5	18.5	143	8	6	11.5	16.5	145	5	4	9.5	14.0
** .160	127	6	6	9.0	13.5	127	6	10	11.0	17.5	124	9	12	13.5	20.5	125	12	12	13.0	20.0	121	10	8	12.5	17.0	123	8	4	8.0	12.0
** .495	106	6	6	7.0	12.0	102	8	13	9.5	16.5	98	14	14	11.0	17.5	105	15	21	12.0	19.0	100	12	12	9.5	15.0	104	6	6	7.0	11.0
2.5	72	6	6	6.0	9.5	72	8	12	7.0	12.5	56	12	12	10.0	15.5	60	24	18	10.0	15.0	66	10	14	9.0	13.5	72	4	6	6.0	9.0
5	63	8	6	5.0	8.5	63	8	12	6.0	10.0	53	10	12	8.5	13.0	55	20	14	9.5	14.5	63	8	10	6.0	9.0	67	6	10	4.5	7.5
10	46	22	8	4.5	6.5	48	22	10	5.0	7.5	46	12	10	6.0	8.5	50	12	10	5.5	8.0	54	16	10	4.5	7.0	48	20	8	4.0	6.5
20	26	4	4	2.0	3.5	26	6	4	3.0	4.5	28	8	6	4.0	6.5	33	11	7	6.5	9.0	32	4	8	5.0	7.0	26	4	6	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

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** No June data for log and voltage

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Summer (June July Aug) 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	165	4	4	9.0	15.0	163	4	4	10.0	17.5	163	4	4	10.5	17.5	169	4	4	7.5	13.0	169	6	4	7.0	12.5	169	4	6	7.5	13.5
.051	142	4	5	6.0	11.0	134	6	6	8.5	13.5	134	6	7	9.0	14.5	142	8	6	7.0	12.0	146	10	8	6.5	11.5	144	7	4	6.0	10.5
.160	121	5	8	6.0	12.0	109	12	16	11.0	19.5	107	12	14	12.0	21.0	123	10	13	8.0	15.5	127	10	10	6.0	12.0	125	8	8	5.0	10.0
.495	100	4	10	5.0	11.0	76	18	18	8.5	15.5	76	20	18	9.5	16.5	100	16	20	10.0	16.5	104	16	18	6.0	12.5	102	10	6	4.0	9.0
2.5	75	4	6	4.0	8.0	53	16	20	6.5	10.5	30	15	7	3.5	6.0	53	24	24	7.5	12.5	69	14	18	5.5	10.0	77	6	6	3.5	7.0
5	61	6	4	4.5	8.0	51	8	10	6.0	10.0	37	10	8	6.5	10.5	47	18	10	6.0	10.0	63	10	10	4.0	7.5	67	4	6	3.5	7.0
10	40	14	6	3.0	5.0	42	10	6	2.5	5.0	36	4	4	4.0	7.0	44	10	6	3.5	6.0	54	16	8	3.0	5.5	50	20	10	2.5	5.0
20	25	2	2	1.5	2.5	25	2	2	1.5	3.0	25	2	2	2.0	3.5	27	10	2	2.5	4.5	29	10	4	3.0	5.0	27	4	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 Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Summer (June July Aug.) 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	163	4	6	9.5	16.0	161	4	6	11.0	17.5	161	4	6	11.0	17.0	169	6	8	8.5	14.5	169	4	6	8.5	14.0	167	4	6	8.5	14.5
.051	143	2	6	8.0	13.5	133	6	8	9.5	15.5	135	6	12	9.5	15.5	145	10	8	9.0	15.0	149	6	10	8.0	13.5	145	6	8	7.5	13.0
.160	120	4	6	7.0	13.5	108	6	17	10.5	18.0	106	12	18	12.0	19.0	124	12	16	10.0	16.0	128	8	12	8.0	14.0	122	8	8	6.0	11.0
.495	99	6	8	6.0	12.0	73	14	10	8.5	13.0	75	22	12	8.5	14.5	107	12	24	10.5	19.0	107	10	16	9.0	16.0	107	2	8	5.0	10.0
2.5	74	8	8	6.0	11.0	54	18	10	6.5	11.0	46	10	6	3.5	5.5	64	18	16	8.0	13.5	70	12	15	5.5	10.0	78	6	8	5.0	9.0
5	62	6	6	5.0	9.5	52	10	10	6.5	10.5	42	9	8	4.0	6.5	54	18	13	6.5	10.5	64	8	12	4.5	8.0	68	6	8	4.0	8.0
10	43	16	8	4.5	8.0	43	10	8	5.5	9.0	37	6	6	4.5	8.0	47	14	10	6.0	10.5	55	12	8	3.5	6.5	53	12	12	3.0	6.5
20	26	2	2	3.5	7.0	26	2	4	3.0	5.5	30	6	6	5.0	8.0	34	8	6	7.5	12.0	32	8	4	4.5	8.0	28	4	4	3.5	6.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

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

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	109	6	6			108	7	5			108	6	6			108	6	7			109	6	7			109	7	6		
.113	90	7	6			92	6	6			91	6	6			91	6	6			92	7	6			91	6	7		
.246	67	3	3			67	7	4			67	5	3			66	5	3			68	3	2			66	3	3		
.545	53	8	3			53	10	3			52	11	3			52	6	3			52	7	2			51	8	3		
2.5	19	12	2			20	6	3			20	9	3			19	4	2			20	8	3			20	6	3		
5	22	13	9			18	12	4			16	6	4			21	6	7			25	10	9			27	10	12		
10	23	6	10			18	8	7			20	5	8			22	4	4			26	6	7			25	5	9		
20	23	2	2			22	2	3			22	2	2			23	2	1			24	2	2			23	1	3		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

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** No November data for D_u and D_e - correction for corresponding sheet appearing in Technical Note 18-17

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Winter (June July Aug) 19 63

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155	2	1	7.5	12.0	155	2	2	8.0	13.0	151	2	2	8.0	16.0	151	4	2	11.5	18.0	153	2	4	8.5	14.0	155	2	2	8.5	13.5
.051	127	4	4	8.5	13.5	125	4	8	8.0	13.5	109	6	4	12.0	18.5	109	10	4	12.0	19.0	115	10	8	11.0	18.0	125	6	4	9.5	16.0
.160	103	5	5	7.5	13.0	98	6	24	8.0	13.5	64	12	6	9.0	14.0	64	22	6	10.5	16.0	90	12	22	11.5	19.5	102	6	6	8.5	15.0
* .545	84	6	4	6.5	11.0	78	8	36	7.5	12.0	44	8	2	7.0	10.0	42	12	2	6.0	9.5	78	8	22	6.5	13.0	84	6	4	6.0	11.0
2.5	57	6	4	5.0	9.5	53	6	10	5.0	9.5	21	8	2	6.5	9.0	19	8	0	6.0	8.5	43	14	18	6.5	11.5	57	8	8	5.5	10.0
5	51	6	4	5.0	9.0	49	4	6	4.5	8.0	21	12	6	5.5	8.5	19	14	6	5.5	8.5	43	10	12	5.0	9.5	51	8	6	5.5	10.0
10	37	6	4	3.5	6.5	33	6	2	3.5	6.0	29	6	4	4.0	6.0	29	10	4	3.5	6.0	39	10	4	3.0	6.0	37	6	4	3.0	5.5
20	24	0	2	3.0	5.5	22	2	0	7.5	9.0	22	2	2	3.0	4.5	22	2	0	3.5	5.0	24	0	2	3.0	5.0	24	0	2	3.0	5.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

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* Only 13 1/2 days data for .545 for August.
545 was changed to .495 the 14th of August.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 52.5-67.5 W Season Winter (June *** ***) 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	141	14	6			136					137					141					145	8	6			146	6	13		
.051	109	15	16			102					98					94					112	10	22			119				
.160	90	19	22			67					71					79					89					89	20	17		
.495	70	17	18			59					64					68					68					80	7	24		
2.5	63	12	20	3.5	4.0	50					31			3.0	4.0	29			2.0	3.5	50	14	2	3.5	5.5	58	10	9	4.0	5.5
5	44					47					30			5.0	8.5	36			6.0	8.5	49			3.5	5.5	49			3.0	4.0
10	32	5	3	2.0	2.0	26					27			2.0	3.5	36					37			2.5	3.0	27	8	3	2.0	3.0
20	25	31	0			27					27					30			3.5	5.0	27			1.5	3.0	25	2	0	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

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*** No July or August data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 67.5-82.5 W Season Winter (June *** ***) 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	142	5	3	10.5	16.0	145	4	0	11.5	17.0	145	0	2	10.5	16.0	143	3	5	8.0	13.0	144	3	3	6.0	11.0	147	2	8	8.0	13.0
.051	112	6	2	6.0	11.0	114	4	7	7.0	12.0	107	7	5	9.5	13.0	104	11	9	6.0	14.0	108	8	6	6.0	11.0	114	4	4	6.0	9.5
.160	88	11	7	6.5	12.0	86	5	11	9.0	14.5	76	15	9	13.5	18.5	69	27	4	10.0	13.0	73	20	4	7.0	11.5	84	9	7	5.5	9.5
.495	76	10	4	5.5	11.0	73	8	11	2.5	7.5	63	13	3	3.0	7.0	67	9	4	3.0	7.5	68	12	4	3.5	7.5	72	10	4	4.0	8.5
2.5	58	8	0			56	12	12			40	4	8			42	13	4			52	6	2			60	4	2		
5	57	4	4			63	4	6			49	2	2			50	6	5			55	2	4			57	2	2		
10	32	2	0			34	2	2			32	4	2			37	11	5			38	6	6			32	2	2		
20	31	10	2			31	4	2			31	4	4			31	10	4			29	12	2			30	3	3		

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

*** No July or August data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 52.5-67.5 W Season Winter (June *** Aug.) 19 63

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
** .013	141	5	10	11.5	17.5	142	10	8	13.0	18.5	140	4	12	11.5	15.5	138	4	12	11.0	15.0	141	7	11			142	10	10	8.5	13.5
** .051	113	9	5			110	12	4			99	12	6	16.0	21.5	98	6	10	8.5	12.5	104	6	7			108	6	4	5.0	8.5
** .160	86	9	7	7.0	12.0	85	10	11	8.5	15.0	71	4	6			71	11	6	10.5	17.0	78	14	12			83	6	5		
** .495	72	3	7	8.0	14.5	70	8	14	5.5	12.5	56	6	4			58	5	7	4.0	8.0	67	8	8			70	4	2		
2.5	54	10	9	4.0	6.5	56	16	8	5.5	8.5	37	13	9	7.0	6.0	33	7	7	4.5	6.5	50	10	9	5.0	8.0	58	4	8	4.5	7.0
5	51	12	14	4.0	6.0	55	6	18	4.5	7.5	35	24	8	5.0	6.5	33	22	18	4.5	7.0	47	7	20	5.0	6.5	51	6	15	3.5	6.0
10	28	15	4	2.5	4.0	26	12	2	2.5	3.5	27	9	6	3.0	4.5	30	22	11	3.0	4.5	28	20	4	2.5	4.0	28	8	3	3.5	3.5
20	27	0	15	2.0	3.0	27	4	15	2.5	3.0	27	14	10	2.5	3.5	27	2	15	3.0	4.0	23	4	11	2.0	3.5	25	8	11	2.5	3.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio af median to lower decile in db

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

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

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*** No July data

** No July or August data for log and voltage

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 37.5-52.5 W Season Winter(June *** Aug) 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	152	6	16	8.5	13.5	152	4	18	10.0	15.0	148	6	8	11.0	15.0	150	6	10	8.5	13.5	152	4	15	7.5	12.0	154	4	14	8.0	12.5
** .051	120	10	10	7.0	11.5	118	12	14	9.0	14.5	110	4	14	12.5	17.0	110	6	10	10.0	15.0	112	10	14	5.0	9.0	120	8	11	6.0	10.5
** .160	97	13	14	4.0	9.0	86	20	14	7.5	13.0	77	11	7	11.5	15.0	77	11	7	9.5	14.5	83	17	14	9.0	12.0	98	8	20		
** .495	81	13	13	5.0	10.0	72	14	14	6.0	12.5	58	12	4	2.5	5.0	57	15	9	5.0	10.0	74	10	12	4.0	8.0	84	8	14	4.5	7.5
2.5	62	10	10	4.0	7.0	57	15	11	5.0	8.5	34	10	8	4.5	8.0	32	10	4	5.0	8.0	52	14	12	3.5	6.5	65	8	12	4.0	7.0
5	57	6	10	4.0	6.5	53	10	12	4.5	8.0	37	14	12	5.0	8.0	31	8	6	4.0	7.0	49	8	8	4.0	7.0	55	8	7	4.0	7.0
10	33	10	7	2.0	4.0	37	8	9	3.5	5.5	35	8	8	3.5	5.5	33	8	4	3.0	5.0	43	6	10	2.5	5.0	35	10	9	2.0	3.5
20	28	2	2	2.0	4.0	28	4	2	2.0	3.5	28	4	2	2.5	4.0	30	2	3	2.0	4.0	28	4	1	2.0	3.0	28	2	1	2.0	4.0

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

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*** No July data
** No July or August data for log and voltage

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 22.5-37.5 W Season Winter (June *** ***) 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	147	2	3	10.0	15.0	145	2	13	11.5	17.5	141	6	12	9.5	14.5	143	2	13	9.0	14.0	140	5	4	6.5	10.5	146	1	5	8.0	12.0
.051	117	0	6	8.5	13.5	115	1	11	8.0	13.0	101	9	6	8.0	12.0	98	2	10	9.5	15.5	109	4	18	7.0	11.0	112	4	3	6.5	11.0
.160	85	16	3	7.5	13.0	83	6	9	7.0	12.0	72	10	4	11.0	15.0	68	1	4	9.0	12.0	69	12	5	9.5	12.0	77	13	8	7.0	10.5
.495	65	8	3	5.5	10.0	62	7	6	5.5	10.0	53	7	4	7.5	11.0	57	7	4	4.5	7.5	59			3.5	6.0	59	9	2	6.0	10.0
2.5	52	5	9			49	2	4			40	8	10			33	8	5			46	6	14			51	4	6		
5	49	2	3			51	9	4			51	8	24			31	14	4			45	7	9			46	5	3		
10	26	3	0			28	7	2			27	8	3			31	3	6			28	2	4			26	0	0		
20	27	7	0			27	5	0			27	5	0			27	0	2			27	0	0			27	2	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

RN-14

*** No July or August data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 67.5-82.5 W Season Winter (June *** Aug) 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	150	8	4	9.0	13.5	153	5	7	10.0	15.5	149	3	5	10.5	16.0	150	2	2	8.5	14.0	150	2	4	7.0	11.5	150	2	4	7.5	12.5
.051	122	6	4	7.5	12.5	126	4	8	9.5	15.0	112	6	6	10.0	16.5	106	3	8	7.5	13.0	108	10	11	7.5	12.5	120	6	4	6.0	10.0
.160	102	18	5	6.0	10.5	96	23	10	7.5	14.0	82	11	12	8.5	13.0	75	18	5	6.5	13.0	85	12	13	7.0	11.5	95	8	4	4.5	9.0
.495	84	15	4	4.5	8.5	78	20	14	5.0	10.0	67	5	11	4.0	8.5	68	9	14	4.5	10.0	78	2	18	5.0	10.5	82	2	4	5.0	9.0
2.5	64	14	4	5.0	8.5	62	15	10	4.5	8.0	37	9	7			32	10	2			53	11	13	4.0	7.0	62	2	4	3.5	6.0
5	55	10	2	3.5	6.0	59	8	4	5.0	10.0	45	8	16			35	13	9	3.5	6.5	49	6	14	3.0	5.5	35	2	4	2.5	5.0
10	40	17	6	3.0	6.0	37	11	3	2.5	4.5	32	11	3			32	2	3			40	13	6	1.5	3.0	43	12	11	2.5	4.5
20	29	5	2	1.5	2.5	30	2	3	2.0	3.5	31	3	4			31	6	4	2.5	4.0	31	8	2	2.0	3.5	29	10	8	1.5	2.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

RN-14

*** No July data

** No July or August data for log and voltage

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 37.5-52.5 W Season Winter (*** *** Aug) 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	152	5	11	7.5	12.0	149	6	8	8.5	13.5	146	10	9	9.0	14.0	149	8	2	9.5	14.5	149	5	4	9.0	12.0	151	8	13	8.0	9.0
.051	126	4	14	8.0	13.0	121	11	9	7.5	12.5	110	10	6	11.5	16.5	111	11	17	10.5	15.5	111	9	9	9.0	13.5	118	12	12	8.5	13.5
.160	104	4	20	5.0	8.5	94	10	18	6.0	10.5	76	16	10			78	6	14	2.0	3.0	80	14	14	9.5	15.0	89	15	13	8.0	13.0
.495	92	4	16	6.5	11.0	74	18	16	4.5	9.0	62	10	9	4.0	7.0	61	13	10	3.0	6.0	73	5	9	9.5	17.0	85	9	15	9.0	14.5
2.5	72	4	14			69	3	13			40	5	7			34	10	8			53	13	20			68	8	10		
5	59	4	8			60	3	9			41	9	12			31	10	2			48	7	14			55	8	6		
10	33	2	2			33	6	2			41	3	9			34	11	7			39	6	4			33	8	0		
20	28	0	2			28	2	2			26	2	0			28	4	0			28	6	0			28	0	2		

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

RN-14

*** No June or July data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 22.5-37.5 W Season Winter (*** *** Aug) 1963

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	8	4	7.5	13.0	156	3	7	9.0	14.5	151	6	20	10.0	15.5	154	3	7	10.0	14.5	152	5	5	7.5	12.5	153	7	4	7.5	12.5
.051	124	12	12	6.0	10.0	126	8	8	8.0	12.5	114	10	17	10.0	16.5	116	8	11	9.5	15.0	116	8	18	9.5	15.5	120	10	11	7.0	11.0
.160	96	20	10	5.0	9.0	98	10	14	6.0	10.5	86	4	18	9.5	15.0	85	5	23	9.0	15.0	86	6	19	9.0	15.0	89	18	11	4.0	5.0
.495	82	18	6	4.0	8.0	78	14	8	5.0	9.5	66	7	13	5.0	10.0	68	6	11	4.0	8.0	62	12	12	4.0	9.0	78	20	13	4.0	8.0
2.5	68	6	10			68	6	14			44	22	16			28	2	4			43	13	15			62	15	2		
5	57	12	4			58	11	9			45	5	10			33	6	2			45	9	17			61	3	9		
10	33	8	1			45	0	16			41	6	9			37	4	8			42	13	7			41	8	7		
20	28	0	0			26	4	0			26	3	0			30	2	2			28	4	0			28	0	0		

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

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*** No June or July data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 30-40 S Long. 67.5-82.5 W Season Winter (June *** ***) 1963

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	2	5			153					145	3	3			153	7	2			147					147	5	2		
.051	128	4	6			120	8	12			98					104					119					124	4	4		
.160	107	2	3			100	4	30			74					73	8	0			87	15	20			104	4	3		
.495	83	3	4			75	7	11			66	13	2			70	6	4			78					83	5	3		
2.5	64	0	4	4.0	7.0	58	3	3	4.0	7.0	50	13	20	4.5	6.5	51	13	19	3.5	6.0	62	3	16	3.0	5.0	66	2	2	3.5	6.0
5	53	1	8	4.0	6.5	53	3	0	4.0	7.5	38	11	11	4.5	7.5	44	5	13	3.0	6.0	47	9	4	3.0	6.0	53	5	0	3.0	5.0
10	36	2	3	3.0	5.0	34	5	2	3.0	5.0	36	3	9	3.0	5.0	39	3	11	2.5	5.0	37	10	6	3.0	5.5	38	5	4	3.0	5.5
20	27	4	0	1.5	2.5	27	7	0	2.0	3.5	29	12	4	2.5	4.0	38	2	8	4.0	7.0	29	1	2	2.0	3.5	28	3	1	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

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*** No July or August data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Summer(June July Aug) 1963

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	6	2	9.0	14.5	153	2	4	10.5	16.5	153	6	4	11.0	17.0	159	4	4	9.0	15.0	159	4	6	8.5	14.0	155	4	4	8.5	13.5
.051	125	8	8	10.5	16.5	119	10	6	13.0	20.5	121	8	6	11.5	19.0	129	4	6	9.5	16.0	127	6	6	9.5	16.0	127	6	6	10.0	16.0
.160	104	8	18	6.5	12.0	92	22	10	6.0	10.5	84	7	10	8.0	13.0	96	14	13	10.0	17.0	94	12	12	8.5	14.5	104	8	10	6.0	11.0
.495	75	12	20	6.0	10.5	53	26	4	3.5	6.0	53	18	2	5.5	8.5	65	24	14	7.0	13.0	61	22	8	7.0	12.0	79	10	10	5.5	9.5
2.5	64	6	10	5.5	10.5	40	16	10	6.5	12.0	34	14	4	5.0	8.5	40	19	8	7.0	11.0	48	12	12	5.0	11.5	66	6	10	4.5	8.5
5	45	4	6	5.0	8.5	39	12	6	6.0	10.0	33	10	6	9.0	13.0	41	8	12	7.0	12.0	49	8	8	5.5	10.5	59	4	4	4.5	8.0
10	41	21	9	2.5	5.0	38	18	6	3.5	6.0	38	8	6	4.0	7.0	42	6	6	4.5	8.0	48	4	4	4.0	7.5	50	14	10	3.0	6.0
20	18	2	2	1.5	3.0	18	3	2	1.0	3.0	18	6	2	1.5	3.5	18	8	2	2.0	3.5	20	6	2	2.0	3.5	20	4	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 Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Winter (Dec Jan Feb) 19 62-63

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	103	10	7			95	17	2			86	9	4			86	8	4			93	11	6			103	9	7		
.500	81	13	6			69	16	10			56	7	4			56	6	2			68	14	9			80	10	6		
2.5	49	9	7			53	12	7			34	7	5			33	4	4			50	11	13			59	7	7		
5	54	7	5			52	8	5			36	7	6			34	4	6			50	8	7			54	7	5		
10	31	2	2			35	3	3			33	3	2			36	5	5			36	6	3			31	3	1		
20	23	1	1			24	1	1			25	3	2			26	2	1			24	1	1			23	1	1		

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

*** This sheet is a correction for corresponding sheet appearing in Technical Note 18-17

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0 N Long. 159.7 W Season Summer (June July Aug) 1963

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155	2	3	9.0	14.5	153	4	4	12.0	18.5	151	4	2	9.5	14.5	151	2	2	8.5	14.0	149	2	2	10.0	15.5	151	4	2	7.5	12.5
.051	126	6	2	10.0	15.5	126	4	10	12.5	19.0	110	8	6	10.5	15.0	110	8	4	9.5	14.0	108	8	6	8.5	13.0	122	6	4	8.5	13.5
.160	101	8	4			97	10	28			67	20	4			65	22	4			71	24	12			97	6	4		
.495	80	10	8	10.5	18.0	70	16	18	7.0	11.5	50	14	2	4.5	7.5	50	10	4	4.0	7.0	54	18	8	4.5	8.0	76	10	6	8.0	13.0
** 2.5	58	6	4	6.0	10.0	54	8	12	6.0	9.5	34	8	6	3.0	5.0	30	8	2	2.5	4.5	40	10	10	3.0	5.0	56	6	4	6.0	8.5
** 5	53	4	2	3.0	6.0	49	4	12	5.5	8.5	25	10	4	4.0	6.0	21	10	2	2.5	4.5	39	12	14	2.5	5.0	53	4	4	3.5	4.0
** 10	37	4	4	3.0	5.0	33	6	4	3.5	5.5	25	6	6	3.5	5.5	21	6	4	3.0	5.0	37	6	8	4.0	6.5	39	2	4	3.5	6.0
** 20	23	2	2	2.0	3.0	23	2	2	2.0	3.5	21	2	2	2.0	4.0	23	2	4	2.0	3.5	25	2	2	2.5	4.0	25	0	2	2.0	3.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

** No June data for log and voltage

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Summer (June July Aug.) 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	4	4	8.5	11.5	155	6	4	10.0	13.5	153	4	4	11.0	15.0	159	6	4	10.0	13.5	159	6	4	8.5	12.0	157	4	4	7.5	10.5
** .051	138	6	10	7.5	11.0	134	10	12	10.0	14.5	130	10	12	12.0	17.0	138	8	10	9.5	13.5	140	8	12	9.5	13.5	138	6	9	8.5	11.5
*** .160	119	10	8	7.5	11.0	117	12	15	10.0	15.0	112	13	19	12.0	18.0	121	10	12	8.5	13.0	121	9	10	8.0	12.0	119	8	8	7.5	11.0
*** .495	101	10	10	8.0	11.0	95	14	20	8.0	12.0	89	16	20	10.0	15.5	101	14	16	9.0	13.0	100	11	13	8.5	13.0	101	8	10	7.5	11.0
** 2.5	71	8	10	6.0	9.0	65	12	16	7.5	11.5	51	14	10	6.5	9.0	59	16	14	7.0	10.5	67	12	12	6.0	8.5	71	8	8	5.0	8.0
** 5	61	8	8	5.0	8.0	55	10	10	6.0	8.5	42	15	7	7.5	11.0	51	14	12	6.5	9.5	61	8	8	5.0	8.0	61	8	6	4.5	7.0
** 10	46	12	8	4.5	6.0	46	14	10	4.5	6.0	36	8	6	5.5	7.0	44	8	8	4.5	6.5	48	6	4	4.0	6.0	46	6	4	3.5	5.5
*** 20	25	6	2	2.0	3.0	25	6	2	2.5	4.0	27	4	4	2.5	4.0	31	6	4	3.5	5.0	31	6	4	3.0	4.5	27	6	2	2.5	4.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

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*** No July or August data for log and voltage

** No August data for log and voltage

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140. SE Season Summer(June July Aug) 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_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	6	8	10.5	15.5	152	6	8	11.0	15.5	152	8	6	12.5	16.0	156	4	10	11.0	16.5	156	6	8	9.0	14.0	156	4	11	9.5	15.5
.051	131	6	8	10.0	16.5	123	10	8	11.5	17.0	121	8	6	13.5	19.5	125	12	4	11.0	17.0	125	16	6	10.0	16.0	131	6	8	10.5	16.0
.160	110	10	6	8.5	15.0	96	20	14	11.0	17.0	90	20	8	14.5	20.5	94	28	10	10.0	15.5	100	26	16	11.0	18.0	110	8	6	8.0	14.5
.495	89	10	8	9.0	15.5	67	22	10	8.5	12.0	65	20	8	9.0	14.0	67	34	8	10.0	16.0	79	24	16	11.0	19.0	89	10	8	8.5	15.5
2.5	65	6	6	6.5	11.0	49	14	8	8.0	13.0	41	4	2	8.0	12.0	41	16	2	8.5	12.5	51	18	10	7.5	12.5	63	8	4	5.5	8.5
5	59	6	6	6.0	9.5	49	10	8	7.5	11.0	39	6	6	9.5	13.0	39	10	8	9.0	12.5	53	12	10	6.5	10.0	61	10	6	4.5	8.5
10	41	4	6	3.5	6.0	39	4	5	4.0	7.0	31	8	4	4.5	6.5	35	6	6	4.0	6.5	47	6	6	2.5	5.5	45	4	4	3.0	6.0
20	23	2	0	1.5	3.0	23	2	0	2.0	5.0	23	4	2	2.5	4.0	25	4	2	2.0	4.0	27	4	2	2.0	4.0	25	2	2	2.0	3.5

F_{am} = medion volue of effective antenna noise in db obove ktb

D_u = rotio of upper decile to median in db

D_ℓ = rotio of medion to lower decile in db

V_{dm} = medion deviation of average voltoge in db below meon 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 Winter (June July Aug) 19 63

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	4	4			154	4	4			152	4	4			154	6	6			156	4	6			156	6	4		
.051	125	10	6			123	10	10			117	12	12			117	12	8			121	12	12			125	8	8		
.160	105	10	6			97	14	24			79	22	10			77	24	8			95	14	24			105	10	6		
.495	92	10	8			78	19	20			60	10	4			60	10	4			80	16	22			92	10	8		
2.5	64	11	8			60	13	10			50	7	5			49	6	6			56	15	10			66	11	8		
5	61	8	11			59	8	8			51	8	10			47	8	8			57	12	8			61	8	6		
10	35	8	4			35	6	4			35	12	6			37	8	6			43	6	4			39	8	8		
20	24	6	2			24	5	4			24	14	2			26	4	4			27	5	3			24	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Summer (*** *** August) 1963

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	4	8			155	3	7			153	3	7			155	4	9			155	4	5			155	3	7		
.051	130	6	8			122	14	6			118	8	6			124	7	6			126	8	6			130	4	8		
.160	107	10	10			85	25	10			83	12	4			91	19	10			95	20	15			105	11	9		
.495	84	12	12			64	20	8			59	10	5			60	31	4			76	20	20			86	12	6		
2.5	59	8	6			55	8	6			49	2	8			49	6	3			55	12	6			63	5	8		
5	54	5	9			47	9	14			30	9	6			30	13	4			51	8	10			55	4	18		
10	31	8	6			31	8	6			26	14	6			27	13	4			37	14	7			36	9	7		
20	42	2	7			42	2	7			41	2	10			41	1	9			41	2	6			41	3	3		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

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***No June or July data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 48.5 W Season Winter (*** *** Aug.) 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}
.051	122	4	13	7.5	12.0	122	12	17	8.0	12.0	112	10	16	2.0	3.0	116	8	18	3.5	5.5	116	12	12	7.0	11.5	120	12	12	5.5	9.5
.113	115	13	13	4.5	8.5	109	14	18	4.5	7.0	101	10	16	2.5	4.0	99	12	11	4.5	5.5	105	12	14	6.0	8.5	111	12	10	4.0	7.5
.246	102	12	14	4.5	9.0	90	18	16	5.5	9.5	82	10	10	5.0	8.0	82	8	10	4.5	7.0	88	12	14	8.0	11.0	100	10	13	5.5	9.5
.545	90	12	8	4.5	8.5	87	10	11	3.0	5.5	92	6	12	4.5	6.0	88	8	14	2.5	3.5	86	10	12	1.0	2.5	90	14	8	2.0	4.5
2.5	65	4	16	5.0	8.0	61	8	16	4.0	7.5	39	10	10	5.5	7.5	36	7	11	4.0	6.5	51	14	14	4.0	7.5	63	8	12	4.5	9.0
5	57	6	13	4.5	7.0	55	8	10	4.5	8.0	43	10	8	4.0	7.0	41	6	8	4.0	9.0	53	8	10	5.0	10.0	61	8	10	4.0	8.0
10	43	10	11	2.0	4.5	39	10	10	4.5	8.5	41	8	12	6.0	10.5	43	4	10	5.5	11.0	47	11	9	5.0	7.5	43	8	5	7.0	9.5
20	25	7	2	2.0	4.0	23	4	1	1.5	2.5	26	9	4	5.5	8.0	30	8	5	5.0	7.5	29	4	4	2.5	4.0	33	4	8	4.5	7.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*** No June or July data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Summer(June July Aug.) 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	162	6	3	9.5	15.0	164	4	6	10.5	17.0	162	6	6	13.0	21.5	164	8	6	11.5	19.0	164	4	6	10.0	15.5	162	4	6	9.5	14.5
.051	143	4	6	9.0	15.0	141	6	10	12.0	20.0	137	10	12	14.0	23.5	137	16	8	13.0	21.0	141	8	8	11.0	18.5	141	6	6	10.0	17.0
.160	124	6	6	9.5	16.0	122	8	16	12.5	24.0	110	20	14	14.5	26.0	116	18	10	12.5	23.0	120	8	10	10.0	18.0	124	4	8	9.0	16.0
.495	98	8	6	8.5	16.0	92	12	14	11.0	21.5	84	14	14	12.5	23.0	94	20	12	13.0	24.5	98	8	12	8.5	17.0	100	6	6	7.5	15.0
2.5	65	4	6	6.0	11.0	61	10	12	7.5	14.5	39	22	10	7.5	12.0	47	28	12	9.0	15.0	63	8	12	6.5	12.0	65	6	6	6.0	11.0
5	54	8	6	5.0	8.5	52	8	8	6.5	11.5	40	14	10	10.0	15.5	44	18	8	8.5	14.5	56	8	8	6.0	10.5	56	6	6	6.0	9.0
10	38	8	6	3.5	6.0	38	8	6	4.0	6.5	40	8	8	7.0	11.0	42	8	4	6.0	9.5	48	6	4	4.0	7.0	44	8	4	3.5	6.0
20	26	0	4	2.0	3.5	24	4	2	2.5	4.0	24	8	4	3.0	4.5	26	12	2	3.5	6.0	28	8	2	3.0	5.0	26	2	2	2.0	4.0

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Season Summer (June July Aug) 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	162	6	4			160	4	4			160	4	6			164	6	4			164	6	2			164	6	6		
.051	145	6	6			141	8	7			137	10	4			143	10	6			145	10	6			147	6	6		
.160	124	10	6			120	10	14			114	14	14			122	14	13			124	12	8			125	11	7		
.495	102	10	8			92	14	16			84	18	12			94	20	18			96	18	16			101	13	7		

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


DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS