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Technical Note

18-15

QUARTERLY RADIO NOISE DATA JUNE, JULY, AUGUST 1962

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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A complete listing of the Bureau's publications can be found in National Bureau of Standards Circular 160, Publications of the National Bureau of Standards, 1901 to June 1947 (\$1.25), and the Supplement to National Bureau of Standards Circular 160, July 1947 to June 1957 (\$1.50), and Miscellaneous Publication 240, July 1957 to June 1960 (includes Titles of Papers Published in Outside Journals 1950 to 1959) (\$2.25), available from the Superintendent of Documents, Government Printing Office, Washington 25, D.C.

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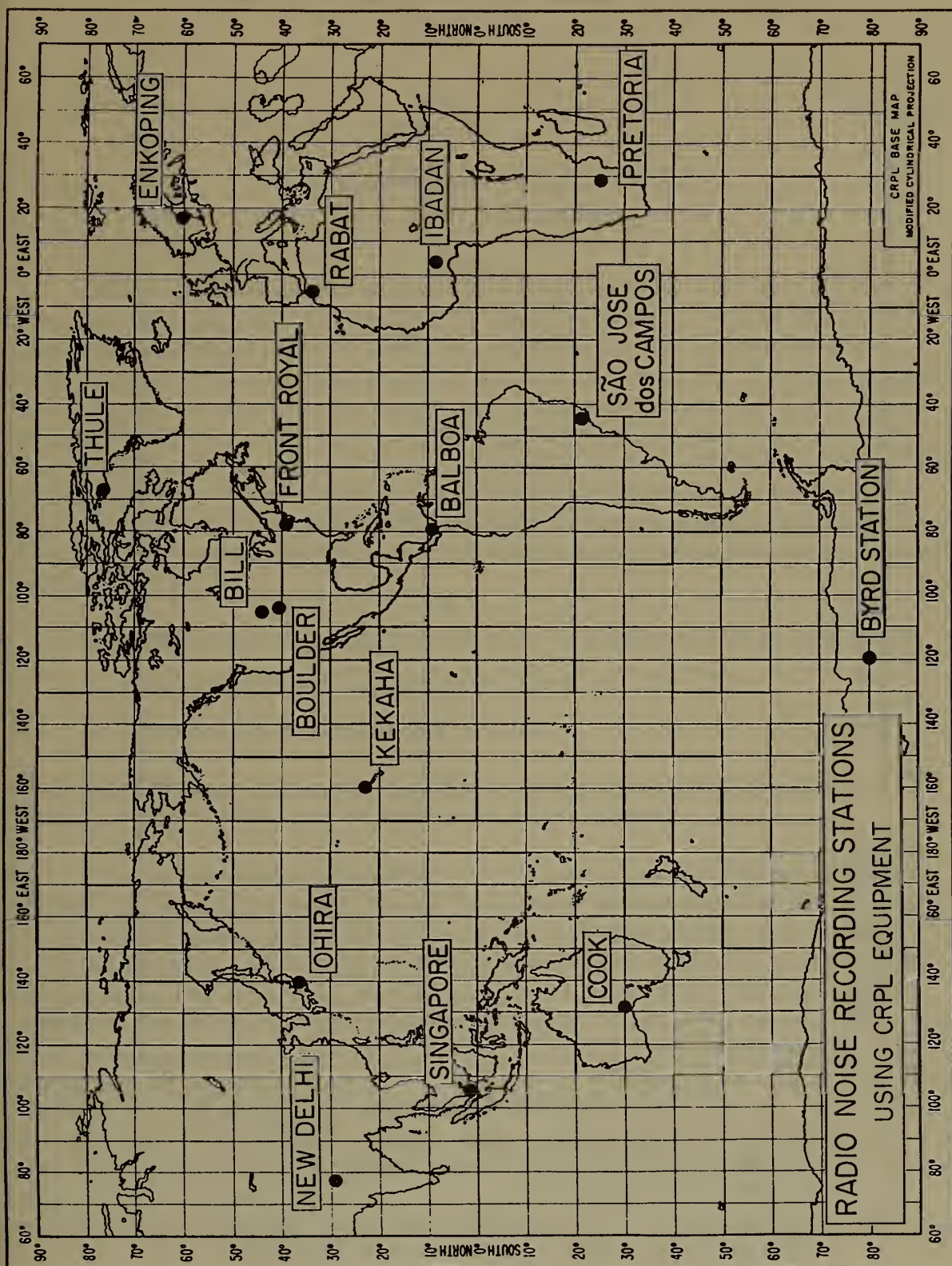
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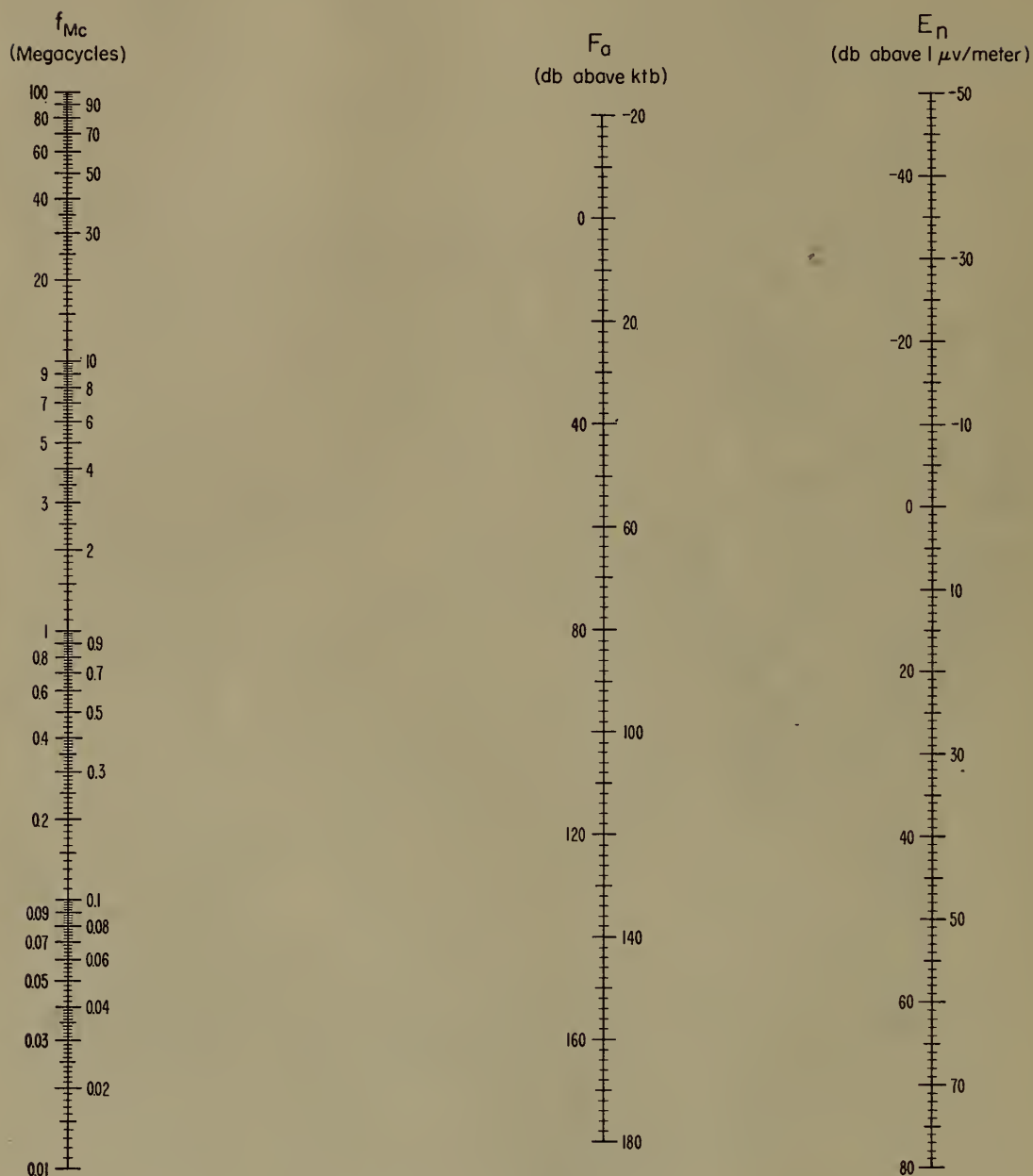
RADIO NOISE RECORDING STATION



ARN-2 ATMOSPHERIC RADIO NOISE RECORDER



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



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

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

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

f_{Mc} = Frequency in Megacycles.

Radio Noise Data for the Season

June, July, August 1962

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period June, July, August 1962 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a . F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

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

t = Absolute room temperature (taken as 288° K)

b = Bandwidth in cycles per second.

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

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

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

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

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

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

where

E_n = the equivalent vertically polarized ground wave rms noise field strength in db above $1 \mu v/\text{meter}$ for a 1 kc bandwidth.
 f_{Mc} = the frequency in megacycles/second.

The nomogram given may be used for this conversion.

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

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

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

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

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

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

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

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enköping

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

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

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) -
Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

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

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

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

The following publications contain additional information on radio noise:

1. W. Q. Crichlow, D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.
2. "Report on Revision of Atmospheric Radio Noise Data," C. C. I. R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956 (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).
3. A. D. Watt and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45, 1, 55 (1957).
4. W. Q. Crichlow, "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45, 6, 778 (1957).
5. A. D. Watt and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45, 6, 787 (1957).
6. F. F. Fulton, Jr., "The Effect of Receiver Bandwidth on Amplitude Distribution of V. L. F. Atmospheric Noise," National Bureau of Standards, VLF Symposium Paper 37, Boulder, Colorado, 1957.
7. H. E. Dinger, "Report on URSI Commission IV - Radio Noise of Terrestrial Origin," Proc. IRE, 46, 7, 1366 (1958).
8. A. D. Watt, R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of Some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46, 12, 1914 (1958).
9. W. L. Taylor and A. G. Jean, "Very-Low-Frequency Radiation Spectra of Lightning Discharges," NBS J. of Research-D. Radio Propagation, 63D, 2, 199 (1959).
10. W. Q. Crichlow, C. J. Roubique, A. D. Spaulding, and W. M. Beery, "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," NBS J. Research-D. Radio Propagation, 64D, 1, 49 (1960).
11. Tatsuzo Obayashi, "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," NBS J. of Research-D. Radio Propagation, 64D, 1, 41 (1960).

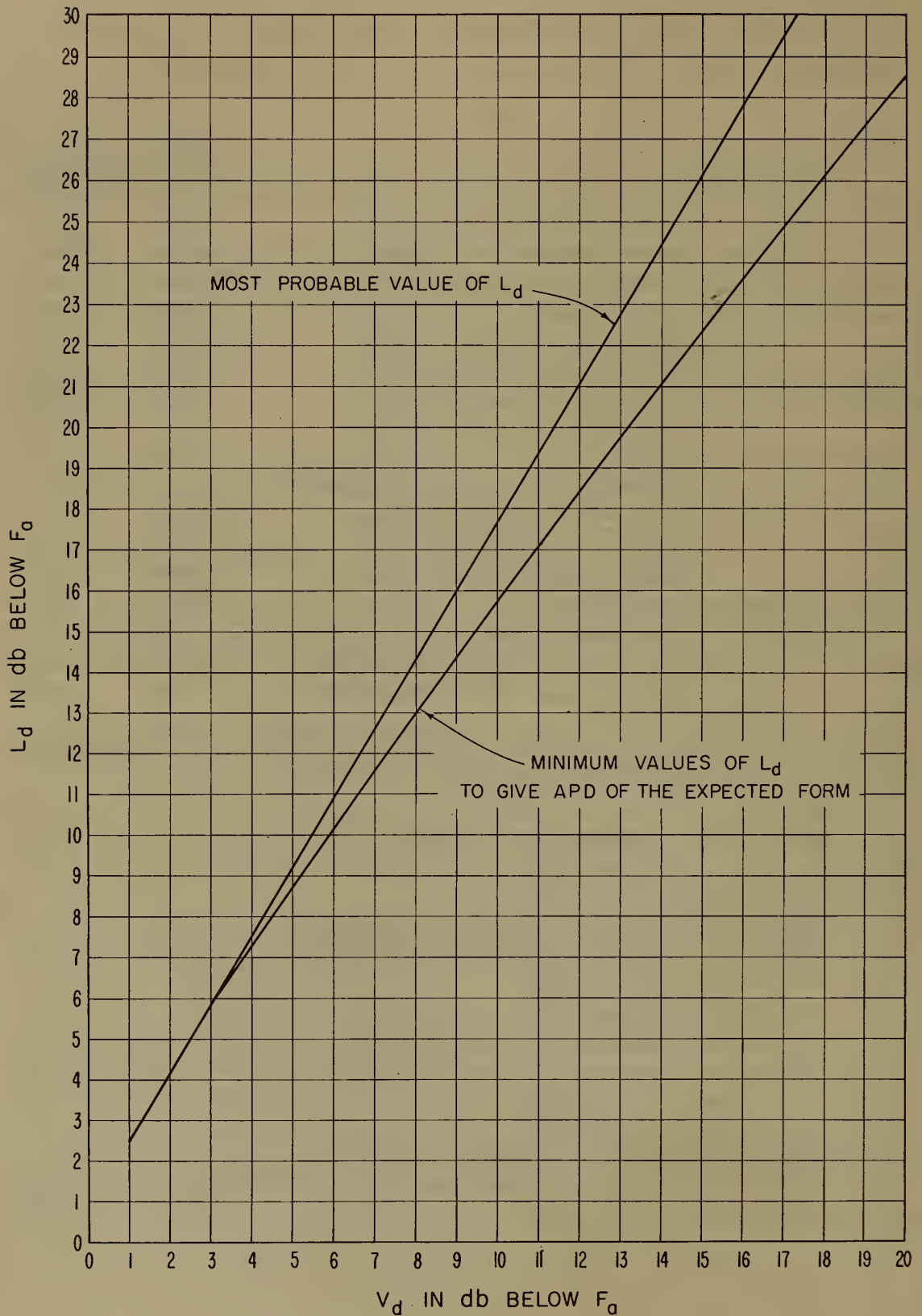
Data included in this report and the standard time for each station are as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	June, July, August 1962	75 W	+05
Bill	July, August 1962	105 W	+07
Boulder	June, July, August 1962	105 W	+07
Byrd Station	July, August 1962	120 W	-09
Cook	June, July, August 1962	135 E	-09
Enköping	June, July, August 1962	15 E	-01
Front Royal	June, July, August 1962	75 W	+05
Kekaha	June, July, August 1962	150 W	+10
New Delhi	December 1961	75 E	-05
	March, April, May, August 1962		
Ohira	June, July, August 1962	135 E	-09
Pretoria	June, July, August 1962	30 E	-02
Rabat	June, July, August 1962	GMT	0
São Jose dos Campos	December 1961	45 W	+03
	February, March, April 1962		
Singapore	February, April, May 1962	105 E	-07
Thule	May, June, July, August 1962	75 W	+05

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

- 18-1 July 1, 1957 - December 31, 1958
- 18-2 March, April, May 1959
- 18-3 June, July, August 1959
- 18-4 September, October, November 1959
- 18-5 December, January, February 1959-60
- 18-6 March, April, May 1960
- 18-7 June, July, August 1960
- 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

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



MONTH-HOUR VALUES OF RADIO NOISE

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

Month June 1962

Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
0.13												0.51												1.60												4.95												2.5												5												10												20																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Hour (ST)	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 2.0N Long. 79.5W Month July 19 62

Hour (LST)	Frequency (Mc)											
	.013				.051				.160			
	Fom	D _f	V _{dm}	L _{dm}	Fom	D _f	V _{dm}	L _{dm}	Fom	D _f	V _{dm}	L _{dm}
00	164	9	3	10.5/15.5	143	8	3	9.5/14.0	126	7	4	8.0/12.5
01	166	5	4	10.0/15.0	147	5	9	10.0/15.0	128	5	6	8.5/14.0
02	166	8	3	11.0/16.0	146	8	8	9.0/14.0	128	8	6	8.0/14.0
03	168	6	7	11.0/15.5	146	8	8	8.5/13.0	128	6	6	9.0/15.0
04	168	5	7	11.0/16.5	147	7	8	9.5/15.0	128	6	7	10.0/15.5
05	168	4	5	11.0/16.0	147	4	9	11.0/16.0	128	7	7	9.0/15.0
06	167	6	8	11.5/17.5	147	6	13	11.0/18.0	128	7	13	10.0/17.0
07	164	8	7	13.0/18.5	145	8	11	13.0/18.5	124	10	8	12.0/21.0
08	162	9	3	12.0/18.0	139	12	6	12.0/18.5	120	12	6	10.0/16.0
09	162	7	4	13.0/18.5	143	8	14	12.0/18.5	124	8	12	12.5/20.0
10	162	5	3	13.0/18.0	140	7	9	13.0/19.0	123	6	15	13.0/21.5
11	162	4	4	13.0/19.0	139	10	8	14.0/19.5	122	8	16	14.0/20.0
12	162	6	2	12.5/18.0	139	9	9	15.0/20.0	118	15	10	14.0/20.0
13	164	5	4	11.0/17.0	139	11	5	11.0/16.0	124	11	16	13.5/21.0
14	166	7	4	10.0/14.5	143	12	9	12.0/16.0	128	11	19	11.0/18.0
15	167	10	3	8.0/12.0	146	11	11	9.5/14.0	129	7	19	9.5/16.5
16	166	9	2	8.0/12.5	145	9	10	9.0/13.5	124	12	15	11.0/18.0
17	166	6	4	8.0/13.0	141	11	8	10.0/15.0	118	15	13	11.0/17.0
18	164	5	4	7.5/12.0	141	10	8	10.0/14.5	116	15	6	10.0/16.5
19	162	5	2	8.0/12.0	139	9	5	9.0/13.0	120	8	4	7.0/12.5
20	164	2	2	9.0/13.0	141	5	3	9.0/13.5	122	6	5	7.0/11.0
21	166	2	4	9.5/14.0	141	7	4	8.0/11.5	122	9	4	7.5/12.0
22	164	6	3	9.0/14.0	141	8	4	8.0/12.0	124	8	7	7.0/11.5
23	164	6	4	9.0/15.0	143	6	5	7.0/12.5	124	6	4	8.0/13.0

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

D_f = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone

Lat. 9.0N Long. 79.5W

Month August

19 62

Hour (LST)	Frequency (Mc)																																						
	.013				.051				.160				.495				2.5				5				10				20										
	Fom	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm
00	166	4	4	10.0 15.0	145	6	5	8.0	120	128	5	6	7.0	110	102	8	4	5.0	9.0	72	6	5	4.5	8.0	63	4	2	5.0	8.0	48	8	7	4.0	6.0	28	6	6	1.0	2.0
01	168	4	6	9.0 14.5	147	5	5	8.0	130	128	4	6	6.0	100	104	6	6	6.0	9.0	73	4	5	4.0	8.0	65	2	4	4.0	7.0	47	7	5	3.5	5.0	28	7	6	2.0	3.0
02	168	2	6	9.0 14.5	149	2	8	8.0	125	128	4	6	7.0	110	104	6	8	5.5	100	75	2	5	4.5	9.0	65	2	3	4.0	8.0	46	8	4	4.5	7.5	28	8	6	3.0	4.0
03	168	4	6	10.0 15.0	147	4	7	8.0	130	128	4	8	6.5	110	102	8	6	5.0	100	75	4	4	5.0	8.5	65	1	4	5.0	8.5	42	10	5	4.0	6.0	28	6	6	3.0	4.0
04	168	4	6	9.0 15.5	147	4	8	7.5	125	126	8	7	7.5	125	102	11	8	5.5	100	77	1	6	5.0	8.5	63	4	2	5.0	8.0	42	13	5	2.5	4.5	28	6	6	3.0	3.5
05	168	5	6	9.5 16.0	146	7	7	8.5	145	126	8	8	9.0	140	98	13	11	9.5	155	75	4	4	5.5	9.5	63	4	2	5.0	9.0	46	8	8	4.0	6.0	28	8	6	1.5	2.5
06	166	5	5	10.0 16.5	142	10	8	10.5	165	123	11	9	11.5	195	96	14	11	10.0	170	69	6	8	7.0	130	61	4	2	5.5	9.5	50	2	6	3.0	6.0	27	11	7	2.0	3.0
07	164	7	4	12.0 17.5	142	9	10	11.0	180	122	12	14	10.0	180	98	12	15	9.0	170	61	13	6	9.0	150	57	8	4	6.0	10.0	46	5	4	4.0	7.5	28	6	6	2.5	4.0
08	164	4	6	11.5 17.5	141	8	10	13.0	190	122	11	14	11.0	190	95	14	17	8.5	160	55	13	13	7.0	130	51	6	6	8.0	12.5	43	3	5	4.0	7.0	28	6	6	3.5	5.5
09	164	5	8	12.0 17.5	139	11	12	12.5	120	122	9	24	12.0	200	94	14	23	11.5	190	48	15	11	6.0	8.5	47	8	8	8.0	130	40	4	2	4.0	6.0	28	4	6	2.5	4.0
10	164	4	8	12.0 18.0	139	9	11	11.0	180	122	10	20	12.0	200	92	16	20	12.0	185	45	16	14	7.0	120	43	12	6	7.0	12.0	40	4	4	4.0	6.0	28	6	6	3.5	6.0
11	164	5	5	11.0 17.5	139	9	9	12.0	180	118	16	18	10.5	190	94	16	21	7.0	140	45	22	10	11.0	175	41	18	6	9.5	120	42	4	6	6.0	8.5	28	8	6	3.0	4.5
12	164	9	4	10.0 16.0	139	12	6	9.5	150	122	11	17	11.5	180	92	20	20	8.5	160	45	26	10	9.0	150	43	22	8	9.0	140	42	9	4	5.5	9.5	30	10	6	3.5	5.0
13	166	5	4	9.5 15.0	142	11	7	10.5	155	126	11	17	11.0	180	104	12	24	12.0	190	47	28	16	12.0	175	49	19	10	10.0	150	44	10	4	6.0	9.5	34	8	8	7.0	9.5
14	168	4	3	9.0 13.5	143	10	6	10.0	150	124	14	15	12.0	145	106	10	24	12.5	185	66	15	25	11.0	180	57	12	14	9.5	145	48	10	4	7.0	11.0	36	6	8	6.5	9.0
15	168	8	4	9.0 13.5	144	13	5	10.0	145	130	9	14	12.0	180	101	20	14	12.5	205	65	18	22	8.0	140	55	14	8	7.0	110	48	9	2	6.5	10.0	34	13	6	5.0	7.5
16	168	7	2	7.5 12.0	143	12	6	11.0	165	126	11	16	11.0	175	104	14	20	10.5	175	60	26	14	10.0	170	57	14	7	7.0	11.5	52	5	4	4.0	7.0	34	9	4	4.0	6.0
17	168	5	4	8.0 11.5	143	10	6	10.0	140	124	11	11	9.0	150	98	16	12	9.0	165	64	13	15	9.5	145	61	8	5	5.0	7.5	54	2	2	3.0	4.0	36	4	6	4.0	6.5
18	164	7	2	7.5 12.0	139	12	4	8.0	120	120	14	5	8.0	135	98	15	6	7.0	140	65	11	6	6.5	11.0	64	5	3	5.0	8.5	56	1	4	2.5	4.5	32	9	4	4.0	6.0
19	164	8	2	9.5 13.0	141	11	4	8.0	120	122	11	4	7.0	135	102	10	6	5.5	90	71	6	4	5.0	8.0	65	5	2	4.5	7.0	56	0	2	4.0	6.0	32	6	8	4.0	5.5
20	166	4	4	9.0 14.0	143	8	4	7.5	120	124	6	5	6.5	100	102	6	5	5.0	85	71	4	2	6.0	9.0	67	3	4	3.0	5.0	54	4	6	2.5	4.5	28	9	6	2.5	4.0
21	166	5	3	9.5 13.5	143	6	4	7.5	115	124	7	4	6.0	100	102	7	4	5.5	80	73	2	4	4.0	7.0	65	2	2	3.5	6.0	52	5	9	3.5	6.0	26	10	4	2.0	3.0
22	166	4	4	9.0 15.0	145	4	6	8.0	120	126	6	4	6.0	100	104	6	6	5.0	85	71	4	4	4.5	7.5	63	4	3	4.0	6.5	50	6	8	4.0	6.0	28	8	6	2.0	3.5
23	166	5	4	8.5 13.5	145	5	5	7.5	120	126	4	5	6.0	105	104	4	6	5.5	85	73	4	6	4.5	8.0	63	5	3	4.0	6.0	48	9	11	3.0	5.0	26	8	4	2.5	3.0

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

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

152044-10-10

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)											
	.013				.051				.160			
	F _{am} [*]	D _g	V _{dm} [*]	L _{dm} [*]	F _{am} [*]	D _g	V _{dm} [*]	L _{dm} [*]	F _{am} [*]	D _g	V _{dm} [*]	L _{dm} [*]
00	165	10.0	17.0	142	5.5	9.0	12.0	108	3.5	7.0	11.8	104
01	163	10.5	17.5	142	3.5	7.0	11.8	104	4.0	7.0	11.4	104
02	163	12.5	20.0	142	4.0	7.0	11.4	104	4.0	7.0	11.4	104
03	163	13.0	20.5	142	3.5	7.0	10.8	104	3.5	6.5	10.4	104
04	161	11.0	17.5	136	3.5	6.5	10.4	104	3.0	6.5	10.3	103
05	163	13.0	20.5	136	3.0	6.5	10.3	103	2.5	5.5	10.1	101
06	161	12.0	19.5	134	3.0	6.5	10.3	103	2.5	5.5	10.1	101
07	157	12.5	21.5	136	3.0	6.5	10.3	103	2.5	5.5	10.1	101
08	157	15.0	22.5	136	3.0	6.5	10.3	103	2.5	5.5	10.1	101
09	157	14.0	21.5	138	4.0	7.5	9.9	99	4.0	7.5	9.9	99
10	163	12.5	19.0	140	5.0	8.5	12.1	121	5.0	8.5	12.1	121
11	167	10.0	17.0	146	5.5	8.5	12.3	123	5.5	8.5	12.3	123
12	170	8.0	15.0	147	9.0	12.0	12.8	128	9.0	12.0	12.8	128
13	170	8.0	14.0	149	8.5	13.0	13.2	132	8.5	13.0	13.2	132
14	172	5.5	12.0	151	7.5	11.0	13.1	131	7.5	11.0	13.1	131
15	171	6.5	12.0	151	6.5	11.0	13.2	132	6.5	11.0	13.2	132
16	173	6.0	11.0	148	6.5	10.0	13.0	130	6.5	10.5	12.8	128
17	169	6.0	11.0	148	6.5	10.5	12.8	128	7.0	11.0	12.8	128
18	171	7.0	12.0	146	7.5	12.0	12.6	126	7.5	12.0	12.6	126
19	171	8.0	14.0	148	9.0	15.0	12.4	124	9.0	15.0	12.4	124
20	171	11.5	15.5	146	8.5	10.5	12.6	126	8.5	10.5	12.6	126
21	171	9.0	17.0	146	8.0	10.0	12.4	124	8.0	10.0	12.4	124
22	171	9.5	17.5	144	6.0	8.5	12.3	123	6.0	8.5	12.3	123
23	167	11.0	17.5	144	6.0	8.5	12.3	123	6.0	8.5	12.3	123

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

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming

Lat. 43.2N Long. 105.2W

Month August

19 62

Hour (LST)	Frequency (Mc)																																														
	.013				.051				.160				.495				2.5				5				10				20																		
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm												
00	*164			8.0	13.0	*143			4.0	9.0	*119			4.5	8.0	*103			4.5	7.5	*78			3.5	6.0	*63			4.0	7.0			4.0	7.0			2.0	4.0	*25			*		Df	Vdm	Ldm	
01	*164			7.5	12.0	*143			6.0	11.0	*119			5.0	9.0	*101			4.0	8.5	*77			4.0	7.0	*62			3.5	6.0			4.0	6.0			1.5	3.5	*25			*		Df	Vdm	Ldm	
02	*164			8.0	15.0	*141			4.0	8.5	*119			6.0	10.5	*99			4.5	9.0	*75			4.0	8.0	*62			4.0	6.0			4.0	6.0			2.0	3.0	*25			*		Df	Vdm	Ldm	
03	*162			8.5	15.0	*141			4.5	10.0	*116			6.5	12.0	*95			6.0	12.0	*75			4.0	7.5	*62			4.0	7.0			4.0	7.0			1.0	2.5	*25			*		Df	Vdm	Ldm	
04	*162			7.5	14.0	*137			6.0	10.5	*108			7.0	13.5	*78			7.5	12.0	*72			4.0	8.0	*59			3.5	6.5			4.4	3.5			2.0	4.5	*25			*		Df	Vdm	Ldm	
05	*162			9.0	16.0	*133			6.5	11.0	*101			7.0	14.5	*72			6.5	10.5	*57			6.0	10.0	*58			4.5	8.0			4.6	4.5			3.5	5.5	*23			*		Df	Vdm	Ldm	
06	*160			8.5	16.0	*133			7.0	12.0	*107			11.0	19.0	*74			10.5	16.0	*47			5.5	10.0	*51			5.0	9.0			4.2	3.5			3.5	5.0	*23			*		Df	Vdm	Ldm	
07	*160			11.5	18.5	*133			6.0	12.5	*103			11.0	19.5	*73			11.5	15.0	*39			5.0	8.0	*45			6.0	10.0			4.0	4.0			4.0	5.5	*24			*		Df	Vdm	Ldm	
08	*161			12.5	18.0	*131			8.0	14.0	*103			7.5	15.5	*71			5.0	9.5	*33			4.0	5.5	*41			6.0	9.0			4.2	3.0			5.0	8.0	*23			*		Df	Vdm	Ldm	
09	*162			11.0	19.0	*135			7.0	11.5	*111			7.0	14.0	*71			4.0	7.0	*31			2.5	4.0	*41			6.0	10.0			4.4	4.5			4.5	7.5	*24			*		Df	Vdm	Ldm	
10	*162			11.5	18.0	*134			5.0	9.0	*102			11.5	18.5	*69			5.0	8.0	*30			3.5	5.0	*35			4.0	7.0			4.0	5.0			5.0	8.0	*24			*		Df	Vdm	Ldm	
11	*162			9.0	14.0	*135			3.0	7.5	*101			14.5	22.0	*75			8.0	14.0	*29			3.0	4.0	*35			7.0	11.0			4.0	4.5			4.5	7.0	*23			*		Df	Vdm	Ldm	
12	*162			8.0	14.0	*135			6.0	10.0	*103			11.0	19.0	*71			4.0	6.5	*29			7.0	9.0	*35			6.0	9.0			4.2	4.0			4.0	6.5	*23			*		Df	Vdm	Ldm	
13	*165			8.0	13.0	*137			5.5	9.0	*111			9.0	15.5	*77			8.5	12.0	*30			2.5	3.5	*37			5.5	9.0			4.2	4.0			4.0	6.0	*25			*		Df	Vdm	Ldm	
14	*166			6.0	11.0	*137			5.0	8.0	*115			9.0	16.0	*92			7.0	11.5	*34			8.0	12.0	*41			4	5.5			6	4			3.0	5.0	*25			*		Df	Vdm	Ldm	
15	*165			5.5	10.5	*139			5.0	8.0	*119			18	16	8.0	14.5	9.5	26	24	6.0	10.0	49	26	20	8.0	14.5	4.5	2.2	2	3.0			48	1.3	2	3.0	5.0	*27			*		Df	Vdm	Ldm	
16	*166	10	2	6.0	10.5	*142			5.0	9.0	*121	10	14	10	16	6.0	12.5	9.3	12	2.2	4.5	10.0	5.5	3.5	6	7.5	12.0	5.2	19	3	4.0	6.5			4.4	2	2	3.0	5.0	*26			*		Df	Vdm	Ldm
17	*166	4	4	6.0	10.0	*141			5.0	9.0	*121	10	14	10	14	7.0	12.0	9.7	6	2.6	6.0	9.0	5.8	1.3	11	5.0	9.0	5.7	18	4	3.0	5.5			5.7	5	3	2.0	4.0	*27			*		Df	Vdm	Ldm
18	*166	4	4	6.0	10.0	*141			6.0	10.0	*119	12	8	6.0	10.5	9.7			8	18	5.0	8.0	6.3	8	4.0	6.0	6.3	4	4	2.0	4.5			5.8	6	2	2.0	4.0	*25			*		Df	Vdm	Ldm	
19	*164	4	2	6.0	11.0	*143			4.5	9.0	*121	10	10	5.0	8.5	9.9			6	18	5.0	8.0	7.1	4	2	3.0	5.0	6.7	2	2.5			5.8	9	2	2.5	5.0	*25			*		Df	Vdm	Ldm		
20	*164	6	8	7.5	13.0	*141			4	5.0	9.5	11.9	10	6	5.0	9.0	9.9			6	4.0	7.0	7.5	6	4	3.0	5.5	6.9	4	3.0			5.8	6	4	3.0	5.0	*25			*		Df	Vdm	Ldm		
21	*164	8	2	7.0	12.0	*143			6	4.0	8.5	*119			5.0	8.5	*101			4.0	7.0	*79	2	8	2.5	5.5	6.9	4	4	3.0	6.0			5.7	3	11	2.5	5.0	*25			*		Df	Vdm	Ldm	
22	*165			7.0	12.0	*144			5.5	10.0	*119			5.5	9.0	*101			2.5	5.5	*79			2.5	5.0	*67			3.5	6.0			4.7				2.0	4.0	*25			*		Df	Vdm	Ldm	
23	*164			7.0	13.0	*143			5.0	10.0	*117			4.0	7.0	*103			3.5	7.0	*79			3.0	6.0	*63			3.5	6.5			4.0				2.5	4.0	*25			*		Df	Vdm	Ldm	

MONTH-HOUR VALUES OF RADIO NOISE

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

Month June 19 62

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
00	165	2	4	8.0	135	145	2	7	5.5	11.0	124	6	9	4.5	8.5	96																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

MONTH-HOUR VALUES OF RADIO NOISE

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

Month July 19 62

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	.013						.051						.160						.495						2.5						5						10						20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Fom			Ldm			Du			D ₂			Vdm			Ldm			Fom			Du			D ₂			Vdm			Ldm			Fom			Du			D ₂			Vdm			Ldm			Fom			Du			D ₂			Vdm			Ldm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
00	166	2	4	10.0 15.5	143	4	2	7.5	11.0	121	5	4	7.0	12.0	103	4	4	6.0	11.0	75	4	4	5.0	8.0	62	8	4	3.5	7.5	48	6	14	2.0	5.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4	2	2.0	3.0	24	4

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

D₂ = ratio of upper decile to median in db

D₂ = ratio of median to lower decile in db

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

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

U.S. GOVERNMENT PRINTING OFFICE

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Month August 19 62

Hour (LST)	Frequency (Mc)																																							
	.013				.051				.160				.495				2.5				5				10				20											
	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}				
	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m				
	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m	D _u	D _l	D _m	D _m				
00	16.6	4	4	9.0	14.5	14.2	4	4	6.0	10.5	12.0	5	8	6.5	10.0	10.0	5	5	5.5	9.0	7.5	4	7	4.0	7.0	6.2	4	4	3.5	7.0	4.1	6	6	2.0	3.5	2.5	2	0	1.5	3.0
01	16.4	4	3	10.0	15.5	14.2	4	8	6.5	11.0	11.8	5	7	7.0	10.5	10.0	6	4	5.0	10.5	9.3	5	7	3.0	7.0	6.2	4	4	4.0	7.0	3.7	9	4	2.5	5.0	2.5	2	2	1.0	2.5
02	16.4	4	3	10.5	16.0	14.1	5	6	7.0	10.5	11.8	4	6	9.0	12.0	10.0	4	6	5.0	11.5	7.3	4	7	4.5	7.5	6.2	2	4	3.0	6.5	3.8	9	6	4.0	6.0	2.5	2	2	1.5	3.0
03	16.4	4	4	11.0	17.5	14.0	6	6	8.0	11.0	11.6	6	4	9.0	12.5	9.8	4	6	6.0	11.5	7.1	6	5	3.5	7.5	6.0	4	3	3.0	6.5	3.7	10	6	3.0	4.5	2.5	1	2	1.5	3.0
04	16.4	2	4	11.0	17.5	13.8	4	2	9.5	12.0	11.2	5	9	7.5	14.0	9.7	6	13	10.0	16.5	6.9	6	6	4.0	8.5	6.0	4	4	4.0	7.0	3.9	6	6	2.0	3.5	2.5	0	2	1.5	3.0
05	16.2	5	4	11.5	19.0	13.4	6	6	7.5	12.0	10.6	8	14	12.0	19.5	7.2	13	8	5.0	8.0	5.7	11	4	4.5	7.5	5.8	2	5	3.0	7.5	4.3	4	4	3.0	5.5	2.4	1	1	1.0	2.0
06	16.2	4	4	13.0	19.5	13.3	5	5	7.0	12.0	10.4	10	18	12.0	20.0	6.8	16	4	3.5	6.5	5.2	5	8	2.5	4.5	5.2	5	6	5.5	9.5	4.3	4	4	4.0	6.5	2.5	2	2	1.5	3.0
07	16.2	2	4	10.5	19.0	13.2	6	6	8.5	13.0	10.0	14	16	15.0	20.0	6.8	15	4	6.5	21.5	5.0	5	6	1.5	3.0	4.6	6	4	2.5	4.5	4.2	3	5	3.5	5.5	2.5	4	2	2.0	3.0
08	16.2	2	4	10.0	19.0	13.2	6	6	6.5	10.5	10.1	11	17	11.5	15.0	7.0	14	6	4.5	4.5	5.1	2	8	1.0	3.0	4.5	5	5	3.0	5.0	3.9	6	4	4.0	7.0	2.5	6	2	1.0	3.0
09	16.2	2	4	10.5	19.0	13.2	5	4	9.0	16.0	9.6	15	13	12.0	16.0	6.6	15	2	2.5	4.0	5.1	4	8	7.5	3.5	4.4	4	4	3.0	4.0	3.7	6	4	4.0	6.0	2.5	12	2	1.0	3.0
10	16.2	2	2	10.0	18.0	13.3	3	3	9.5	16.0	10.2	10	16	10.5	16.0	7.2	16	8	7.0	14.5	5.1	6	8	2.0	4.5	4.4	2	4	2.5	3.5	3.9	4	6	3.5	6.0	2.7	10	4	2.5	5.0
11	16.4	4	6	8.0	17.0	13.6	4	6	9.5	15.5	10.5	6	13	9.0	14.5	8.1	27	17	73.0	23.5	5.1	24	6	9.0	11.5	4.6	8	4	4.0	6.0	3.9	8	6	4.0	6.0	2.7	11	2	3.0	4.5
12	16.6	4	6	7.0	14.5	14.0	8	10	6.5	11.0	11.2	16	20	9.5	16.5	9.5	15	29	9.0	22.5	5.5	22	8	4.5	7.0	4.8	17	8	3.5	5.0	4.1	8	4	4.0	6.0	2.9	8	4	5.0	6.5
13	16.7	3	5	7.0	13.0	14.2	8	10	7.0	12.0	11.6	17	22	8.5	17.0	10.5	9	35	7.5	18.5	5.9	16	12	8.0	11.0	5.2	10	12	3.0	5.0	4.3	10	4	3.0	6.0	3.1	6	6	3.0	4.5
14	16.8	4	6	6.0	12.0	14.4	8	10	7.0	11.5	12.0	10	26	7.5	14.0	9.6	18	26	6.0	16.0	5.7	18	10	2.0	4.0	5.2	16	8	3.0	4.5	4.5	4	4	3.5	6.0	2.9	10	2	3.0	4.0
15	17.0	4	6	7.0	11.5	14.4	6	8	7.0	12.0	12.2	8	27	8.0	15.0	10.4	10	30	8.0	16.0	5.9	18	10	3.0	6.0	5.6	6	10	4.0	6.5	4.7	6	5	2.0	4.0	3.1	6	4	3.0	5.0
16	16.8	4	2	8.0	11.0	14.4	6	6	7.0	10.0	12.0	10	8	7.0	12.5	10.2	10	26	8.0	14.0	6.5	8	15	5.0	10.0	5.6	10	8	3.5	6.0	4.9	4	4	2.0	4.0	3.1	6	4	3.5	6.5
17	17.0	2	6	7.0	11.5	14.6	6	10	6.0	11.0	12.4	6	13	6.5	12.0	10.0	10	14	8.0	15.5	6.3	9	11	5.0	8.0	6.0	5	7	3.0	6.0	5.3	4	4	2.0	4.0	3.1	6	4	3.0	5.0
18	16.8	4	4	8.0	11.5	14.4	6	6	7.0	12.0	12.2	8	9	7.0	11.5	10.0	8	14	7.5	14.0	6.7	6	11	3.5	7.0	6.4	3	6	2.0	5.0	5.3	4	2	1.0	3.0	2.9	6	2	3.0	4.5
19	16.8	2	4	8.5	14.0	14.4	4	8	6.5	10.0	12.2	6	8	5.0	11.5	10.2	4	8	4.5	9.0	7.2	5	6	2.0	4.5	6.7	3	5	2.5	5.5	5.5	2	4	1.5	4.0	2.7	6	2	2.0	3.5
20	16.7	4	3	8.5	14.5	14.4	6	6	6.5	11.5	12.2	6	10	7.0	12.0	10.2	6	8	5.0	9.0	7.6	3	5	2.0	6.0	6.8	2	6	1.0	5.5	5.5	4	6	1.5	4.0	2.7	4	2	3.0	3.5
21	16.6	5	2	9.5	14.5	14.4	6	6	6.5	11.0	12.2	6	8	5.5	11.0	10.2	6	5	4.5	8.0	7.5	4	5	3.0	6.0	6.7	3	7	3.0	6.5	5.7	6	7	2.0	4.0	2.6	4	1	3.0	4.0
22	16.8	4	5	8.0	14.0	14.4	2	8	6.0	11.0	12.2	7	10	6.0	9.5	10.2	7	6	4.5	8.0	7.5	4	6	2.5	6.0	6.6	4	7	3.0	6.5	4.8	5	9	2.0	4.0	2.5	3	0	2.0	3.5
23	16.6	4	4	9.5	14.0	14.3	6	5	6.0	11.0	11.9	8	8	5.5	9.0	10.2	5	9	5.0	8.0	7.5	2	5	3.0	7.0	6.4	2	5	4.0	7.5	4.6	7	9	2.0	4.0	2.5	2	1	2.0	3.0

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

D_u = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

Station Byrd Station, Ant. Lat. 80.05 Long. 120.0W Month July 1962

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

 V_{d--} = median deviation of average voltage in

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.05 Long. 120.0W Month August 1962

Time (LST)	Frequency (Mc)																			
	.051					.113					.246					.545				
	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{om}	D _u	D _l	V _{dm}	L _{dm}
00	107 5	4				87 8	5				68 7	0				47 8	4			
01	107 6	4				89 8	8				68 8	0				47 8	4			
02	107 6	4				88 7	6				69 5	1				47 8	4			
03	108 6	6				89 6	8				67 7	0				50 4	7			
04	109 6	5				89 8	6				72 6	3				53 6	5			
05	108 7	3				89 7	6				72 8	4				51 4	6			
06	109 4	6				89 7	6				68 9	0				47 7	3			
07	109 6	8				91 6	8				68 6	0				47 7	4			
08	109 6	8				89 7	7				68 8	0				47 7	4			
09	107 9	6				89 8	7				68 6	0				49 5	5			
10	109 4	7				91 6	7				68 6	0				47 8	3			
11	109 4	8				91 4	8				68 4	0				47 8	4			
12	110 2	10				89 6	6				70 2	2				47 10	4			
13	108 5	7				87 6	6				70 2	2				45 8	2			
14	109 6	6				87 8	4				70 4	2				47 3	4			
15	109 6	8				88 5	7				73 3	5				53 2	6			
16	109 4	8				89 6	4				76 2	6				53 2	4			
17	107 4	4				89 5	7				70 9	2				51 4	8			
18	107 4	4				89 4	8				70 5	2				47 6	4			
19	107 8	6				89 4	9				70 4	2				47 6	4			
20	107 4	4				89 4	8				68 6	0				47 6	4			
21	107 6	4				89 4	8				70 6	2				47 6	4			
22	107 10	4				89 6	6				70 10	0				47 8	4			
23	107 6	1				89 4	6				70 6	0				47 8	4			

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6S Long. 130.4E

Month July

1962

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6S Long. 130.4E

Month August

19 62

Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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F_m = median value of effective antenna noise in db above k1b

Du = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

USCDAAL-REF-PL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden Lat. 59.5N Long. 17.3E Month June 19_62

Frequency (Mc)																																															
0.013						0.051						160						495						2.5						5						10						20					
Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm													
00	154	4	4	8.0	140	128	8	10	9.0	150	106	4	2	5.5	9.5	80	9	11	2.0	4.0	65	6	9	4.5	10.5	60	6	4	2.5	6.0	49	6	4	2.5	5.0	18	2	4	1.5	3.0							
01	154	4	4	9.0	150	124	10	8	9.5	150	108	6	4	2.0	6.0	73	10	10	6.5	9.5	63	4	8	6.5	12.0	59	3	7	3.5	7.5	50	3	7	2.5	5.5	18	2	4	2.0	3.5							
02	154	4	4	9.5	155	120	8	6	10.0	160	104	4	8	4.5	10.0	59	7	7	4.5	8.0	61	14	10	6.5	9.0	54	6	2	5.5	9.0	49	6	4	3.0	5.0	18	2	4	0.5	2.0							
03	152	4	2	9.5	155	120	4	10	9.5	150	84	15	6	7.0	12.5	52	10	3	2.0	4.0	53			6.0	10.0	51	7	3	5.0	7.5	49	4	7	3.0	5.5	18	2	4	1.5	3.0							
04	152	2	2	9.5	155	116	8	12	11.0	185	78	13	4	9.5	13.5	53	10	4	3.0	6.0	41			5.0	7.5	44	8	4	3.0	6.0	47	6	4	3.0	5.0	17	3	3	1.0	2.5							
05	150	4	2	9.5	155	114	9	11	12.5	190	80	18	4	5.0	9.0	51	4	2	3.0	5.0	35			8.0	16.0	40	8	8	5.0	9.0	46	6	4	2.5	4.5	18	2	2	2.0	3.5							
06	150	4	2	10.0	160	110	14	7	13.0	195	83	10	5	3.0	6.5	51	4	2	3.0	5.0	31			6.0	9.0	38	3	4	3.0	5.5	45			3.5	6.5	18	4	4	2.0	3.5							
07	150	4	4	10.5	160	114	7	7	13.5	210	78	6	2	8.0	9.5	53	4	4	3.0	5.0	35							36	7	4	2.0	6.0	41	4	4	2	5.0	8.0	18	4	2	2.0	3.5				
08	150	4	0	11.0	170	118	5	6	10.0	16.0	82	10	5	8.0	12.5	53	2	4	2.0	4.0	32			5.0	9.0	34	3	5	4.0	7.0	41						18	6	2	2.5	5.0						
09	152	4	2	11.0	170	120	5	5	11.5	190	86	6	4	5.0	7.5	53			2.0	4.5	35	4	4	5.5	9.5	35	7	5	5.5	7.0	40			6.0	9.5	20	4	4	2.5	5.0							
10	154	5	3	8.5	140	122	7	8	14.0	220	89	13	6	10.5	16.0	57	14	6	3.5	6.0	34	3	5	8.0	12.0	32	8	4	5.0	8.0	44			7.5	12.5	20	5	4	2.0	3.5							
11	158	2	6	12.0	185	128	4	10	11.0	195	93			3.5	9.5	53	22	2	4.0	6.0	33	5	4	5.0	8.5	32			5.5	8.0	45			7.5	12.5	20	2	4	2.5	5.0							
12	158	3	6	10.0	160	126	6	7	10.0	175	92	12	8	5.0	8.5	55	23	4	5.0	7.0	34								2.5	6.0	42						19	3	1	2.5	5.0						
13	160	2	6	9.5	160	130	4	11	10.0	165	92	12	10	6.0	11.0	55	21	4	9.0	7.5	34			9.0	12.5	34							4.0	8.0	19	3	4	2.0	4.0								
14	160	2	6	9.0	150	130	2	12	11.5	185	92	12	10	7.5	14.0	55	18	3	14.0	21.0	33	4	2	5.0	9.0	36	8	6	2.0	11.0	47	8	4	3.0	7.0	18	2	2	1.5	3.5							
15	160	4	8	8.5	150	130	2	10	9.0	150	94	10	12	8.0	14.5	55	16	5	2.0	3.5	34	7	3	5.0	8.0	40	4	7	7.0	12.5	47	4	6	2.0	9.0	19	7	3	2.0	4.5							
16	158	4	6	9.0	140	128	4	10	7.5	150	92	6	10	5.5	10.5	55	14	4	5.0	8.0	35	9	5	5.5	10.5	42	5	7	6.0	10.0	49	5	4	3.5	10.5	20	6	4	3.0	5.0							
17	158	4	4	9.0	140	126	6	6	10.0	170	92	12	10	7.0	13.5	55	12	2	2.5	5.5	39	6	9	5.0	11.0	46	2	8	3.5	7.0	49	8	6	6.0	14.0	22	4	4	3.5	6.0							
18	156	4	4	9.0	145	125	5	9	9.5	145	90	12	12	9.5	13.0	59	8	4	3.0	4.5	43	6	6	2.5	5.5	49	3	6	4.0	7.5	48			6.0	8.5	22	8	4	2.0	4.0							
19	154	6	4	9.0	140	124	6	8	11.0	160	88	9	6	5.5	9.0	61	10	4	3.0	5.0	47	8	6	3.0	6.0	52	8	6	3.0	7.0	51	4	4	4.5	8.5	22	4	4	2.5	4.0							
20	154	4	4	7.0	125	121	7	9	9.5	160	94	10	10	5.0	9.0	69	9	4	2.5	3.5	52							4	4.0	4.5	51	18	6	5.0	11.5	20	4	2	2.5	4.0							
21	154	6	4	7.0	130	124	8	10	8.5	135	102	6	14	8.0	13.5	78	10	11	3.5	7.0	61	10	8	4.0	7.5	61	5	7	2.5	5.0	55	14	9	4.0	10.5	20	2	4	1.5	3.0							
22	156	4	6	10.0	155	130	2	12	10.0	160	104	6	6	6.5	9.0	81	8	10	4.0	5.0	65	5	6	6.0	10.0	60	6	4	3.5	7.0	49	26	4	4.0	11.5	18	2	2	1.5	3.5							
23	154	6	4	8.0	130	130	4	12	8.5	145	108	6	6	4.5	8.5	79	10	10	2.0	4.0	63	9	7	7.0	12.0	60	6	6	2.0	7.0	49	20	3	3.0	5.0	18	4	4	2.0	3.5							

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

Du = ratio of upper decile to median in db

D₂ = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden

Lat. 59.5N Long. 17.3E

Month July

1962

Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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F_{am} = median value of effective antenna noise in db above k1b

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Month August 1962

Hour (LST)	Frequency (Mc)											
	.013				.051				.160			
	Fom	Du	D _g	Vdm	Ldm	Fom	Du	D _g	Vdm	Ldm	Fom	Du
00	154	6	2	80	135	126	8	6	90	155	106	8
01	154	2	2	80	145	126	8	8	95	160	110	4
02	154	2	2	85	145	124	8	8	100	175	110	4
03	154	2	2	90	160	122	6	6	95	160	106	4
04	154	2	4	95	160	120	8	8	110	175	92	10
05	152	4	2	100	165	116	10	7	115	210	84	13
06	150	4	2	110	180	116	10	9	140	220	82	16
07	150	6	2	110	175	118	9	9	160	235	80	18
08	150	6	4	110	170	118	8	10	140	225	80	11
09	150	6	2	120	190	118			130	220	83	
10	151			105	170	120			140	220	80	
11	154	2	6	110	170	124	6	6	125	195	90	
12	155	3	4	100	160	126	6	4	100	170	92	16
13	156	5	3	85	150	126	6	7	85	165	90	14
14	156	4	2	80	150	126	8	6	90	160	92	15
15	156	4	2	80	145	126	4	4	85	150	92	12
16	154	4	2	80	135	126	6	6	90	160	92	16
17	154	2	2	70	125	126	6	8	80	150	90	17
18	152	4	2	75	130	124	8	8	75	140	90	16
19	152	4	2	70	130	124	6	8	75	140	98	6
20	154	2	4	70	120	122	10	4	70	135	104	4
21	154	6	4	75	130	126	6	6	75	140	108	2
22	153	3	3	75	130	126	8	6	75	140	108	6
23	153	3	3	75	130	124	12	4	90	155	110	4

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

Du = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Erant Royal, Virginia Lat. 38.8N Long. -78.2W Month June 19 62

Hour (LST)	Frequency (Mc)																							
	135				500				2.5				5				10				20			
	F _m	D ₂	V _{dm}	L _{dm}	F _m	D ₂	V _{dm}	L _{dm}	F _m	D ₂	V _{dm}	L _{dm}	F _m	D ₂	V _{dm}	L _{dm}	F _m	D ₂	V _{dm}	L _{dm}	F _m	D ₂	V _{dm}	L _{dm}
	D _u				D _u				D _u				D _u				D _u				D _u			
00	116	3	5		86	7	5		74	4	7		68	2	4		47	5	5		23	0	0	
01	115	3	5		84	7	4		73	6	5		67	3	3		45	4	4		23	0	0	
02	114	4	6		85	5	4		72	5	5		66	4	4		43	3	4		23	0	0	
03	113	5	5		85	5	6		72	6	6		64	4	2		41	4	4		23	0	0	
04	110	5	6		82	3	9		68	7	6		64	5	2		42	4	4		23	0	1	
05	96	10	6		58	8	4		50	6	5		58	4	4		42	4	4		22	1	0	
06	94	9	4		58	4	5		42	6	5		50	6	3		44	3	4		22	1	0	
07	94	10	5		57	4	4		35	3	2		47	5	5		40	4	2		22	1	1	
08	95	9	6		59	5	5		29	5	3		39	6	3		37	3	3		22	1	1	
09	95	10	6		59	5	3		28	4	3		36	7	3		34	5	2		22	1	1	
10	95	12	6		62	5	5		28	4	3		36	7	4		33	4	2		22	1	1	
11	97	11	7		63	12	5		28	8	2		36	5	5		34	3	2		22	1	1	
12	100	14	6		65	19	6		37	16	4		36	10	4		38	5	2		23	1	1	
13	104	16	6		70	20	10		39	18	5		43	9	7		41	5	4		23	3	1	
14	108	14	9		74	20	15		44	17	11		46	10	8		43	5	4		23	3	1	
15	110	11	9		75	18	15		44	18	10		48	10	10		46	4	5		23	4	0	
16	110	14	10		73	24	15		44	25	11		50	12	11		46	5	3		24	5	1	
17	113	17	14		77	23	20		48	22	12		55	8	11		50	2	4		26	3	2	
18	110	14	13		73	24	16		55	15	15		58	8	7		52	3	3		26	4	1	
19	107	12	9		74	19	15		63	11	11		62	8	4		54	2	4		27	4	2	
20	110	8	6		77	15	6		70	8	7		67	6	5		53	2	3		27	2	2	
21	114	6	4		84	9	3		71	9	3		68	6	3		52	2	3		25	2	2	
22	116	4	4		84	8	3		72	8	3		68	4	4		50	3	4		23	2	0	
23	115	5	3		85	8	4		72	9	4		68	3	4		49	3	4		23	1	0	

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

D₂ = ratio of upper decile to median in db

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

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

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

USC&AF-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2W Month August 19 62

Frequency (Mc)																																							
.135										.500										2.5					5					10					20				
Hour (LST)	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}				
00	116	8	5			93	5	8			72	6	6			63	4	4				39	5	4			24	1	0										
01	115	8	4			93	5	7			72	7	7			62	5	3				37	5	3			24	1	0										
02	114	7	4			92	5	6			72	5	8			62	5	5				36	6	3			24	0	1										
03	115	6	6			91	7	5			71	4	7			61	4	4				35	6	2			23	1	0										
04	118	7	6			91	6	5			70	6	6			62	4	4				37	6	2			23	1	0										
05	111	8	8			74	15	8			62	10	8			61	4	4				38	3	3			23	1	1										
06	103	12	9			62	17	6			45	13	5			54	6	6				41	4	4			22	1	0										
07	101	14	8			62	18	4			39	15	5			49	9	5				42	6	3			22	2	0										
08	100	11	9			61	17	3			35	12	3			43	6	5				42	6	3			22	3	0										
09	100	11	9			61	16	3			34	9	2			39	7	6				40	4	3			22	3	0										
10	97	12	6			62	10	4			33	5	3			37	7	5				39	3	3			22	2	0										
11	97	13	6			62	12	2			34	7	4			35	7	4				38	5	3			22	2	0										
12	100	17	6			64	24	6			35	18	4			36	10	5				37	5	4			26	1	1										
13	102	22	6			65	35	5			37	31	5			38	16	6				39	5	3			26	4	1										
14	107	25	10			67	37	6			38	31	6			42	16	8				41	7	3			26	8	0										
15	107	26	9			69	42	7			38	36	5			44	18	8				43	7	3			27	7	1										
16	109	23	12			68	38	8			40	34	5			50	15	10				44	6	3			27	6	2										
17	107	23	11			68	37	9			48	27	11			54	11	9				46	6	2			27	5	1										
18	107	22	10			69	34	10			56	20	11			60	8	8				48	6	2			28	4	2										
19	111	19	10			80	22	9			68	22	9			66	5	6				50	4	3			28	3	2										
20	117	14	8			89	14	9			72	8	9			66	6	4				50	4	4			25	5	1										
21	117	12	5			91	9	6			72	7	7			66	6	3				47	3	3			24	2	0										
22	117	8	4			92	7	5			73	4	7			66	4	4				44	3	5			24	1	0										
23	117	8	5			92	7	5			72	5	6			64	4	3				40	5	3			24	1	0										

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii

Lat. 22.0N Long. 159.7W

Month June

19 62

Frequency (Mc)																																									
0.13														0.51				1.60				4.95				2.5				5				10				20			
Hour (LST)	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}	F _{om}	D _f	V _{dm}	L _{dm}					
00	155	0	2	8.0	14.0	127	5	4	9.0	14.5	100	12	3	9.5	15.0	79	13	7	12.0	22.0	57	6	6	6.0	10.0	57	8	2	5.0	9.0	45	6	2	3.0	4.0	23	2	0	1.0	2.5	
01	155	2	2	9.0	15.0	127	6	2	10.0	16.5	100	9	4	13.0	22.0	77	10	6	12.0	22.0	57	10	6	8.0	12.0	61	6	6	4.0	9.5	43	4	2	3.5	5.0	25	1	2	1.5	3.0	
02	155	2	2	10.0	17.0	127	4	2	12.0	19.0	102	9	5	10.5	18.5	79	11	7	9.5	22.5	57	6	5	7.5	12.0	65	4	4	5.0	11.0	41	2	2	4.0	6.0	23	2	0	1.5	2.5	
03	155	3	2	10.0	17.0	131	3	7	12.0	20.0	104	11	6	12.5	22.5	81	10	10	12.5	23.5	57	6	4	8.0	13.0	53	11	6	4.5	8.0	39	4	2	3.5	6.0	23	4	0	1.0	2.5	
04	155	2	2	12.0	19.0	129	6	4	12.0	20.0	104	8	8	14.0	22.5	81	10	13	11.5	20.0	57	6	6	7.0	11.0	51	4	4	5.0	10.0	39	2	4	3.5	5.5	23	2	0	1.0	2.5	
05	155	2	2	12.0	19.5	129	4	5	13.0	20.5	102	11	8	13.0	21.0	75	16	7	13.0	24.0	59	6	6	8.0	13.0	51	4	4	6.0	9.5	37	2	4	3.0	5.0	23	2	0	1.5	3.5	
06	155	2	2	12.5	20.5	121	9	3	12.5	19.5	82	20	8	15.0	23.5	55	23	4	15.0	24.0	55	4	6	8.0	12.0	49	4	4	7.0	10.0	36	2	1	3.0	5.0	25	2	2	2.0	4.0	
07	151	3	2	11.5	18.5	115	12	4	15.0	22.5	72	32	6	10.0	18.0	53	29	4	14.5	19.0	41	4	4	6.0	8.0	37	8	6	4.0	7.0	33	3	2	3.5	6.0	23	2	2	2.0	3.5	
08	151	5	2	11.0	17.5	109	14	5	13.5	20.0	74	26	7	13.5	24.5	53	26	5	15.0	19.0	35	4	4	4.0	5.5	31	6	8	4.0	8.0	30	3	3	4.5	7.0	23	2	2	2.0	4.0	
09	151	4	2	10.0	16.0	108	15	5	12.0	17.5	76	22	8	14.0	25.0	53	15	4	5.5	7.5	33	6	2	4.0	5.5	24	7	5	4.0	5.5	25	6	2	5.0	7.0	21	2	0	2.0	3.5	
10	151	5	2	9.0	14.5	111	14	8	13.5	20.0	76	26	8	15.5	24.0	53	26	4	7.0	12.0	31	10	2	3.5	5.0	25	10	6	3.0	5.5	23	4	4	5.0	8.0	21	4	2	2.0	4.0	
11	151	4	2	8.5	14.5	112	15	5	11.0	17.0	76	30	10	11.0	18.5	51	29	4	4.0	6.0	32	5	3	3.0	5.0	25	6	6	2.5	4.5	19	8	4	3.5	5.5	19	2	0	1.5	3.0	
12	151	6	2	8.5	14.0	111	14	4	12.0	17.5	72	24	4	12.0	20.0	53	26	6	12.0	19.0	31	7	2	3.0	5.0	23	10	6	4.0	7.0	19	5	2	3.0	4.5	19	4	0	2.0	4.0	
13	151	3	2	8.5	14.5	111	15	4	10.0	14.0	70	26	2	10.0	18.5	51	13	4	11.0	18.5	31	9	2	3.0	5.0	21	10	2	3.0	6.0	19	8	6	4.5	7.5	21	2	0	2.0	4.0	
14	151	4	2	8.5	14.5	111	13	4	11.0	16.0	70	20	4	12.0	18.5	49	10	2	3.0	6.0	31	6	2	3.0	4.5	23	6	6	3.5	6.0	19	10	2	3.5	6.0	23	2	2	3.0	5.0	
15	149	4	2	9.0	15.0	109	16	6	13.5	19.0	70	19	2	6.5	11.5	49	8	2	5.0	8.0	31	7	4	2.0	4.0	23	8	6	2.5	5.0	25	8	4	3.5	5.5	23	2	0	2.5	4.0	
16	149	3	2	10.0	16.5	105	12	3	11.5	17.0	68	18	2	6.0	10.5	49	7	2	5.0	8.0	31	6	4	3.0	5.0	23	9	6	3.5	4.5	37	4	8	2.0	4.0	25	2	2	3.0	4.5	
17	149	2	3	10.5	16.5	105	12	6	7.0	11.5	68	15	4	7.0	12.0	49	13	2	7.5	11.5	31	13	2	3.0	4.5	27	8	4	4.0	7.0	43	10	4	2.5	4.0	25	2	2	3.0	4.5	
18	149	1	2	9.0	15.5	103	7	2	5.0	8.0	72	17	2	5.0	9.0	53	12	4	7.0	11.0	35	6	4	3.0	5.0	39	5	5	6.5	10.5	47	6	6	2.5	4.5	25	6	2	2.5	4.0	
19	149	0	2	9.0	14.5	111	3	4	6.0	10.0	88	5	3	5.5	10.0	64	10	6	9.0	15.0	43	4	6	2.5	4.5	47	4	4	2.0	5.0	49	5	6	2.5	5.0	25	6	2	3.0	4.5	
20	149	4	2	8.0	13.5	119	4	2	5.5	10.5	94	7	2	5.5	9.0	69	8	7	10.5	19.5	49	8	4	6.0	9.0	51	4	4	3.0	5.0	47	6	5	2.5	5.0	25	2	2	2.5	4.0	
21	151	2	2	7.5	13.0	121	4	2	8.0	13.5	98	11	5	8.5	13.5	71	13	4	12.0	19.0	53	8	4	8.5	12.0	52	3	3	3.5	6.0	47	6	6	2.5	4.5	25	2	2	2.5	4.0	
22	151	4	2	8.0	13.5	123	6	3	9.0	15.0	98	6	4	7.5	13.0	77	8	8	12.0	21.0	55	8	4	7.0	10.0	53	2	4	4.0	6.5	47	6	4	3.5	5.5	25	2	2	2.5	4.0	
23	153	2	2	8.5	13.5	125	3	2	8.0	13.5	100	6	4	7.0	13.0	79	5	8	11.5	20.0	55	8	6	9.0	13.5	53	2	4	3.5	7.0	45	4	4	3.0	5.0	25	2	2	2.5	4.0	

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

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0N Long. 159.7W Month July 19 62

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

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

D_g = ratio of upper decile to median in db

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

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

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

USCGA-44-13

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0N Long. 159.7W Month August 1962

Hour (LST)	Frequency (Mc)											
	.013				.051				.160			
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du
00	155	1	2	8.0	13.0	127	6	2	9.5	14.5	103	6
01	155	2	2	8.5	15.0	129	4	4	9.5	15.0	105	6
02	155	2	2	10.0	16.5	129	2	4	10.5	16.0	104	3
03	155	2	4	11.0	18.0	131	2	4	11.5	18.5	103	4
04	153	4	2	12.5	19.5	131	2	4	13.0	20.5	105	4
05	155	2	4	12.0	19.0	131	2	6	13.0	20.0	105	4
06	155	2	4	12.5	20.0	125	4	4	12.5	19.0	91	8
07	152	3	3	12.0	19.5	119	4	4	12.5	20.0	76	21
08	151	2	4	11.0	18.0	111	11	4	12.0	18.0	77	13
09	151	2	4	10.5	17.0	109	9	7	11.0	15.5	77	20
10	151	4	4	10.5	16.5	111	9	8	10.0	15.0	75	18
11	151	2	3	9.5	15.5	111	10	6	10.5	16.5	79	14
12	151	2	2	9.0	14.0	111	5	4	9.5	15.0	75	6
13	151	2	2	8.5	14.0	111	6	4	10.5	16.5	71	14
14	151	2	2	9.0	14.5	110	7	3	10.5	16.0	69	10
15	149	4	2	9.5	16.0	109	4	6	11.0	17.0	71	6
16	149	2	2	9.5	15.5	107	4	4	9.5	14.0	69	9
17	149	2	2	11.0	18.0	105	8	2	9.5	14.0	71	7
18	149	2	2	10.0	16.0	109	4	4	6.0	10.5	83	4
19	149	2	2	8.0	14.0	115	4	4	6.5	11.5	91	7
20	151	3	4	7.0	13.0	119	4	3	6.5	12.0	95	6
21	152	2	3	7.5	13.0	123	4	4	7.5	13.0	97	6
22	153	2	3	7.5	13.0	123	5	3	8.0	13.5	99	6
23	153	2	1	7.5	13.0	127	4	4	8.5	13.0	101	5

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

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India

Lat. 28.8N Long. 77.3E

Month December 19 61

Hour (IST)	Frequency (Mc)											
	0.03				0.051				1.60			
	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du
00	150			10.0/16.5	126				13.5/15.5	102		
01	151			9.0/12.0	126				13.0/14.0	105		
02	150			11.0/16.0	126				11.5/17.0	104		
03	152			11.0/15.5	128				10.0/14.0	102		
04	152			9.0/15.5	124				11.0/14.0	100		
05	152			8.0/17.0	124				9.5/16.0	102		
06	150			8.0/17.0	122				10.0/17.5	90		
07	148			7.0/16.5	114				12.5/17.5	80		
08	144			10.5/18.0	104				11.0/16.5	74		
09	144			10.0/19.0	101				11.5/15.5	76		
10	146			9.0/16.0	98				9.0/15.0	75		
11	146			8.5/18.5	110				10.0/17.5	80		
12	146			11.5/16.0	108				11.0/19.0	85		
13	147			10.0/17.0	112				11.0/18.0	90		
14	146			11.0/18.0	112				11.0/17.0	84		
15	150			12.0/18.0	112				10.5/16.5	84		
16	150			12.0/16.5	112				11.0/16.5	88		
17	148			12.0/15.0	115				11.0/14.0	96		
18	150			11.0/13.0	120				10.0/17.5	100		
19	152			8.0/11.0	124				11.5/16.0	100		
20	152			12.0/14.5	128				10.0/15.0	102		
21	153			12.5/16.0	130				11.5/16.0	106		
22	154								12.0/15.0	106		
23	152			12.0/12.5	128				11.0/14.5	108		

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

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

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

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

1620-44-462-13

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)																																																																																															
0.013												0.051												1.60												4.95												2.5												5												10												20											
Hour (LST)	Fom	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm	Fom	Du	Df	Vdm	Ldm																																																			
00	153	5	5	9.0	135	137	8	8	11.0	16.5	116	8	9	10.0	16.0	97	8	14	11.0	16.0	72	5	14	6.0	10.0	58	8	5	5.5	8.5	44	8	5	5.5	8.5	22	3	1	2.0	3.5																																																							
01	152	6	5	10.5	135	137	5	7	10.5	16.0	114	11	8	12.0	17.5	93	12	11	11.5	15.5	71	6	15	7.0	10.5	62	4	10	4.5	7.5	42	6	4	4.0	7.0	24	2	3	2.0	3.0																																																							
02	152	5	6	10.0	150	135	6	6	11.5	17.0	112	12	5	11.0	16.0	93	9	12	15.5	8.0	68	6	12	7.0	11.0	59	7	7	4.5	6.5	42	6	4	3.5	5.0	24	4	2	2.0	3.0																																																							
03	151	6	5	10.0	150	135	7	5	11.5	16.5	110	12	6	10.0	17.0	90	15	9	10.0	15.5	68	8	12	7.5	10.0	58	7	8	5.5	7.0	42	6	5	4.0	5.5	24	3	2	2.0	3.0																																																							
04	152	5	6	9.5	150	133	8	6	10.0	15.0	111	9	8	12.5	17.5	87	15	7	11.5	17.0	65	9	9	6.0	9.5	56	6	7	4.5	7.5	42	5	4	2.0	3.5	24	6	2	1.5	3.0																																																							
05	150	7	5	11.0	160	133	4	6	11.0	17.0	110	10	7	7.0	13.5	83	16	8	5.0	7.0	62	10	4	6.5	9.0	52	6	4	7.5	8.0	40	6	5	2.0	3.5	24	5	2	7.5	3.0																																																							
06	150	4	5	12.0	175	125	10	6	10.0	15.0	95	14	7	16.0	21.0	73	24	4	4.0	6.5	58	12	8	5.0	7.5	54	6	8	2.5	5.0	43	7	3	2.0	3.5	24	2	2	2.0	3.0																																																							
07	148	5	8	12.0	175	118	20	4	8.5	13.5	91	31	4	5.5	8.5	73	16	4	4.0	6.5	49	15	7	3.0	5.0	44	10	6	5.5	7.0	42	4	6	3.0	4.5	24	4	2	3.5	5.0																																																							
08	144	6	4	13.0	18.0	117			16.5	22.5	94			11.0	16.5	71			3.0	7.5	46	12	4	2.0	3.5	38	17	5	3.0	4.0	38	6	4	6.0	7.5	24	4	2	2.0	3.5																																																							
09	144			13.5	19.5	117	10	10	13.5	17.5	92	12	6	11.0	15.0	71	16	8			46	14	4	2.0	3.5	36	5	6	3.5	5.0	34	6	6			24	3	2	3.0	5.0																																																							
10	144			11.0	16.5	119			15.5	22.0	94	8	8	8.0	15.0	71	15	7	2.0	6.5	44	11	4	2.0	3.0	36	4	8	3.0	4.5	42	16	9	3.0	4.0	26	8	5	4.0	6.5																																																							
11	144	6	2	15.0	21.0	117	10	8	14.5	17.0	92	19	6	11.0	16.0	71	18	7	3.0	9.5	46	11	6	7.5	3.0	36	6	6	2.0	4.0	48	11	14	5.0	8.5	26	4	4	6.0	8.0																																																							
12	146	6	2	16.0	21.0	119	12	5	16.5	21.0	96	15	9	10.0	15.0	73	14	6	9.0	13.5	46	12	4	7.5	3.5	36	6	4	2.0	4.5	44	10	10	6.0	10.0	26	8	4	3.0	5.0																																																							
13	148	4	4	15.0	19.0	125	11	9	12.0	18.0	102	9	11	7.0	18.0	73	14	6	7.0	14.0	46	14	4	7.5	3.0	36	8	6	3.0	5.5	40	10	7	4.0	5.5	26	13	2	3.0	5.5																																																							
14	150	6	4	14.0	19.0	127	11	10	12.5	19.0	106	11	14	7.0	17.0	73	27	7	4.5	6.5	46	10	10	10	3.0	4.0	40	8	8	4.0	6.0	46	8	12	4.0	8.0	28	6	2	3.0	5.0																																																						
15	152	6	8	15.0	19.0	129	12	12	13.0	20.0	104	16	8	9.0	14.0	73	30	8	9.0	17.0	46	16	4	4.5	6.0	46	8	14	5.5	8.5	48	5	13	5.0	8.0	30	7	5	4.5	7.0																																																							
16	152	6	7	11.5	16.0	133	8	18	11.5	17.0	106	16	18	10.0	14.0	79	22	10	6.0	10.0	50	18	12	4.0	5.0	49	11	11	6.0	8.0	50	6	12	4.5	6.0	29	8	3	4.0	6.5																																																							
17	154	6	6	10.5	15.0	133	10	8	11.0	16.0	110	14	16	10.5	16.5	87	20	12	8.5	14.0	60	10	18	4.5	7.5	57	7	14	4.0	7.5	50	8	6	3.5	6.0	29	9	3	5.0	7.5																																																							
18	152	7	6	10.0	13.5	134	12	8	13.0	19.0	114	13	11	8.5	13.0	95	14	14	8.5	14.0	68	8	18	5.0	8.5	62	6	12	4.0	6.5	50	8	8	4.0	6.0	28	8	4	4.0	5.5																																																							
19	152	7	5	8.0	12.0	135	11	10	11.0	17.0	116	11	12	11.0	16.5	99	10	16	8.0	15.0	72	8	12	4.5	8.0	63	5	11	4.0	7.5	50	8	4	4.5	7.0	26	8	4	3.5	5.0																																																							
20	154	6	5	8.0	12.0	135	12	10	10.0	16.0	117	11	14	9.0	17.0	97	12	14	8.0	15.0	70	11	9	4.5	8.0	62	6	8	5.0	7.5	46	8	2	4.0	6.5	24	4	2	2.0	3.0																																																							
21	154	6	6	8.0	12.0	137	9	7	10.0	15.5	118	10	11	9.0	13.5	99	10	16	8.0	13.5	70	11	10	5.0	7.0	60	8	8	5.0	7.5	44	7	6	4.0	6.0	24	4	4	2.0	3.5																																																							
22	154	5	6	8.5	13.5	137	8	6	9.5	15.0	117	9	8	11.0	16.0	97	11	13	10.5	15.0	70	12	10	5.5	10.0	60	6	10	5.0	7.5	42	12	4	4.5	7.0	22	4	0	2.0	3.0																																																							
23	154	4	6	8.5	13.0	137	7	6	10.0	14.0	118	7	10	10.0	15.0	99	8	15	8.5	13.0	70	10	10	5.5	10.0	58	8	6	6.0	9.0	45	9	9	6.0	9.0	22	2	1	1.0	2.5																																																							

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

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8N Long. 77.3E Month April 19 62

Frequency (Mc)

Frequency (Mc)																																												
.013				.051				.160				.495				2.5				5				10				20																
F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}					
00	155	4	2		136	6	4		116	8	8		98	9	11		66	8	8		58	4	6		46	6	8		24	4	6		46	6	8		24	4	6		46	6	8	
01	155	5	2		136	5	4		116	8	6		95	8	8		66	7	14		56	6	6		44	4	4		24	4	6		44	4	4		24	4	6		44	4	4	
02	155	4	2		135	7	3		116	8	7		97	9	13		64	10	16		56	5	8		42	6	5		24	4	4		42	6	5		24	4	4		42	6	5	
03	155	4	2		134	8	3		112	10	6		91	12	7		62	12	12		52	6	8		42	4	10		24	2	7		42	4	10		24	2	7		42	4	10	
04	155	5	2		134	5	3		112	8	6		89	10	13		60	12	11		55	5	7		38	5	9		23	3	4		38	5	9		23	3	4		38	5	9	
05	155	5	4		132	8	4		108	11	6		78	24	6		58	10	8		52	6	12		40	2	4		24	5	5		40	2	4		24	5	5		40	2	4	
06	155	3	4		125	13	3		100	22	14		71	29	8		50	16	14		50	6	14		40	6	8		24	4	4		40	6	8		24	4	4		40	6	8	
07	153	3	4		120	18	9		98	26	13		69	35	6		46	16	12		42	11	14		38	4	8		24	6	2		38	4	8		24	6	2		38	4	8	
08	153	4	5		122	18	14		97	25	5		67	31	4		46	15	12		39	12	11		34	6	4		24	4	2		34	6	4		24	4	2		34	6	4	
09	157	6	4		124	12	16		96	24	9		67	27	5		45	11	11		33	14	8		32	4	6		24	5	4		32	4	6		24	5	4		32	4	6	
10	153	3	7		127				97	19	9		68	22	4		46	5	10		35	6	7		34	14	6		24	8	4		34	14	6		24	8	4		34	14	6	
11	153	6	6		126	5	9		98	16	11		73	20	7		46	5	13		35	6	6		42	8	10		24	9	2		42	8	10		24	9	2		42	8	10	
12	153	4	6		130	4	9		98	17	4		75	20	10		46	4	6		34	8	6		38	7	11		26	9	5		38	7	11		26	9	5		38	7	11	
13	155	4	4		130	7	4		108	15	10		85	16	13		46	6	6		34	11	6		38	6	6		28	4	3		38	6	6		28	4	3		38	6	6	
14	157	2	4		133	7	6		110	15	11		91	16	21		48	8	6		36	12	2		44	3	4		30	2	4		44	3	4		30	2	4		44	3	4	
15	157	4	3		132	10	4		112	15	14		92	16	20		48	19	6		41	11	8		44	5	9		30	4	3		44	5	9		30	4	3		44	5	9	
16	157	4	2		134	10	8		112	13	14		90	19	21		50	20	8		46	12	8		45	5	5		32	4	6		45	5	5		32	4	6		45	5	5	
17	157	6	2		132	15	8		114	10	14		90	19	15		54	10	13		54	8	8		48	6	4		34	6	8		48	6	4		34	6	8		48	6	4	
18	157	4	4		134	9	7		116	8	8		95	12	8		62	8	8		57	9	7		52	13	6		33	8	9		52	13	6		33	8	9		52	13	6	
19	157	4	4		138	6	6		118	6	4		99	8	8		68	8	8		58	9	8		51	7	7		30	7	5		51	7	7		30	7	5		51	7	7	
20	157	4	4		138	4	6		119	6	5		99	8	6		72	6	10		59	6	7		50	6	8		27	7	5		50	6	8		27	7	5		50	6	8	
21	157	4	2		138	4	4		120	6	6		101	0	3		70	8	9		61	5	10		48	4	6		24	6	8		48	4	6		24	6	8		48	4	6	
22	157	4	4		138	3	3		120	3	6		101	6	6		70	6	10		60	6	8		44	4	6		22	3	3		44	4	6		22	3	3		44	4	6	
23	155	4	2		136	4	4		118	7	6		99	8	10		68	6	12		58	6	8		46	2	6		24	5	4		46	2	6		24	5	4		46	2	6	

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

D₂ = ratio of upper decile to median in db

D₂ = ratio of median to lower decile in db

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. 28.8N Long. 77.3E

Month May

19 62

Frequency (Mc)																																															
.013						.051						.160						.495						2.5						5						10						20					
Hour (IST)	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}							
00	154	2	0	10.0	11.0	136	3	2	10.0	15.5	116	5	3	9.5	13.0	96	7	5	9.0	14.0	67	6	11	5.5	9.5	54	4	8	5.5	7.5	47	7	6	4.0	7.5	23	5	6	2.0	4.0							
01	154	2	0	10.0	15.0	136	5	5	10.0	14.5	116	8	3	8.0	12.5	96	12	5	8.0	13.5	66	7	6	5.0	8.5	51	12	8	4.0	6.0	48	6	8	6.0	9.5	23	5	5	1.5	4.0							
02	155	2	3	12.0	17.5	136	4	3	11.0	15.5	118	4	7	11.0	16.0	94	7	4	10.5	16.5	66	8	10	7.0	11.0	52	8	4	5.0	6.5	47	8	5			23	2	4	1.5	4.5							
03	154	2	2	13.0	18.5	135	4	4	13.0	19.0	116	4	9	10.0	16.5	93	7	5	10.0	16.0	64	6	11	5.5	9.5	52	8	6	3.0	6.5	47	9	5	2.0	5.0	23	1	5	2.0	3.5							
04	154	2	4	13.0	16.0	135	3	5	11.5	18.0	113	7	9	12.5	18.0	88	8	6			66	7	14	5.0	8.0	52	11	10	2.0	7.0	45	6	10	3.0	6.0	23	2	8	1.0	3.5							
05	154	2	3	13.5	20.5	128	10	4	13.0	19.0	102	18	12	17.0	23.0	71			7.0	8.5	54	14	7	7.0	10.0	50	8	12	7.5	2.5	46	6	4	2.5	6.0	23	3	4	1.0	3.5							
06	152	4	2	13.0	20.5	124			11.5	19.5	102			16.0	24.0	70			4.0	9.0	50	8	10	2.0	5.0	42			7.5	4.5	45	5	13	3.0	7.0	25	11	5	2.5	5.0							
07	152	6	2	14.0	21.0	122	18	6	14.5	23.0	70			6.0	22.0	70	30	6	4.5	8.5	48	11	9	1.5	4.0	41			2.0	5.0	39	8	6	3.0	7.0	23	4	2	2.0	5.0							
08	152			14.0	21.0	126			13.5	21.5	100			10.0	17.5	72			2.5	9.0	47	11	9	4.0	5.0	34			4.0	5.0	37	12	2	3.0	6.0	23	10	2	3.0	5.0							
09	152	5	3	14.0	22.5	126	8	2	14.0	19.5	99			14.0	19.0	72			3.0	4.5	48	6	7	2.0	4.5	37			3.0	5.0	35			2.5	8.0	27			4.5	6.0							
10	154	2	4	17.0	22.5	126			15.0	19.5	98			15.0	21.0	73			9.0	13.0	46	10	6	2.0	4.5	36			4.0	7.0	37			3.0	5.5	27			5.0	7.0							
11	154	4	6	14.0	19.5	128	6	6	13.0	19.0	102	16	10	14.5	21.0	82	14	16	5.5	8.0	48			1.5	4.0	36			4.5	3.0	44			4.0	8.5	27	13	4	4.0	6.0							
12	155	5	5	2.5	17.5	131	8	5	13.0	18.5	104	17	7	11.5	17.5	82	19	14	7.0	11.0	48	6	7	3.0	5.0	38			4.5	7.5	43			4.0	6.0	29	16	4	4.5	6.0							
13	156	6	2	11.0	17.5	132	11	4	13.0	17.0	110	15	10	11.0	16.0	88	18	14	12.0	17.5	50	11	10	3.0	6.0	38			2.5	5.0	43	8	8	3.0	5.0	29	6	4	3.5	5.5							
14	158			11.0	15.5	136	12	6	11.0	15.0	116			10.5	15.5	98			12.0	18.5	47			4.0	6.0	36			2.5	7.0	45	10	6	2.0	5.0	29			3.0	5.0							
15	160			9.5	13.5	136	10	6	10.0	14.5	116	12	14	10.0	15.0	97	13	21	9.0	15.0	50			5.5	8.5	42			6.0	8.5	47	10	6	4.5	8.0	31			3.0	5.0							
16	160	4	6	9.5	13.0	140	8	12	11.5	16.0	118	12	14	10.0	14.5	99	13	17	13.0	18.0	48	21	6	4.5	7.5	44			4.0	7.0	47	10	4	5.0	7.0	31	6	6	3.0	5.5							
17	160	2	4	10.0	15.0	139	9	9	9.5	14.0	118	14	12	11.0	16.0	100	18	20	11.0	17.0	52	25	10	3.5	6.5	53			3.0	7.0	53	12	7	5.5	9.5	31	7	6	5.0	8.0							
18	158	6	6	11.0	16.5	139	12	11	11.0	15.0	116	18	8	9.5	12.5	92	27	11	7.5	10.5	60	19	10	6.0	9.0	56	12	6	4.0	7.0	53	14	6	6.0	9.0	35	10	9	5.5	8.5							
19	158	6	8	11.0	15.0	138	13	7	9.5	13.5	119	16	7	8.0	13.0	96	22	6	8.0	13.0	68	15	10	4.5	7.0	58	13	6	4.0	7.0	55	7	6	5.0	9.0	31	12	5	4.0	8.0							
20	158	3	4	9.5	15.0	140	5	4	11.0	15.5	120	7	6	8.5	15.0	97	13	7	8.0	11.0	70	8	9	5.5	8.5	57	8	4	5.5	8.5	53	7	4			27	10	5	4.0	6.0							
21	157	3	3	10.0	16.0	138	7	3	13.0	16.0	117	15	3	8.0	12.0	96	13	5	7.5	13.0	69	6	5	4.5	8.0	58	7	10	5.0	8.5	51	5	5	3.5	6.5	27	11	7	5.5	7.5							
22	157	4	3	11.0	16.0	136	6	2	9.5	14.0	118	4	5	8.0	12.5	96	7	5	6.5	11.5	66	7	6	6.5	10.0	55	7	9	5.5	9.0	49	3	7	8.0	12.0	25	6	8	3.0	5.0							
23	152	2	2	10.5	16.0	136	2	4	9.5	14.0	116	4	5	7.0	11.0	96	7	6	8.0	13.0	68	3	3	5.0	8.0	56	7	16	5.0	8.0	42	2	2	5.0	9.0	24	2	7	3.5	6.0							

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

D_f = 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. 28.8N Long. 77.3E Month August 19 62

Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
0.13												0.51												1.60												4.95												2.5												5												10												20																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Hour (ST)	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g

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

D_g = ratio of upper decile to median in db

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

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

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

USDA-40-1-14

RN-13

Frequency (Mc)																																																															
.013								.051								.160								.495								2.5								5								10								20							
Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm																								
00	154	7	1	115	170	131	3	5	9.5	155	107	7	5	8.5	155	83	14	6	7.0	140	63	4	10	5.5	90	58	6	3	3.5	60	44	5	4	26	4	1	1.5	30																									
01	154	4	1	810	125	131	4	5	9.0	155	107	8	6	8.5	150	83	10	7	7.5	130	61	8	7	4.5	80	58	5	5	4.0	7.5	43	4	4	3.0	4.5	26	3	1	1.0	30																							
02	154	4	1	810	140	129	5	2	9.0	150	107	4	4	7.5	155	81	12	4	7.5	110	60	4	6	5.5	90	56	5	2	4.5	7.5	43	5	4	2.5	2	0	1.5	30																									
03	155	3	2	810	130	131	2	4	10.0	170	107	5	5	8.0	150	83	3	6	9.0	155	59	7	6	5.5	100	56	4	3	4.5	8.0	41	4	4	2.0	2	0	1.0	30																									
04	154	4	3	9.5	150	127	6	2	10.0	180	99	8	7	8.0	180	65	9	9	11.5	135	57	4	4	5.5	90	56	5	4	3.0	6.0	38	4	3	2.5	2	1	1.0	30																									
05	152	3	3	10.5	150	123	2	4	10.5	170	83	11	4	12.0	180	57	8	4	6.0	100	47	3	5	5.5	90	50	4	4	5.0	8.0	39	6	4	3.0	5.5	2.5	2	1	1.5	30																							
06	152	2	3	8.5	150	117	6	4	11.0	170	80	12	9	11.5	215	58	8	3	9.5	200	39	3	2	5.5	80	40	11	3	3.0	4.5	36	4	3	5.0	8.5	2.5	2	1	1.5	35																							
07	152	1	3	810	140	113	7	2	10.0	185	85	9	11	12.0	170	57	6	4	3.5	6.5	37	4	2	4.0	70	38	7	5							8.5	2	0	1.5	35																								
08	150	5	1	10.5	150	116	8	5	13.0	170	85	7	10	16.0	220	58	11	3	21.5	40	37	3	2	8.0	110	40	3	8	6.5	70	31	6	4	3.0	8.0	2.5	3	2	1.5	35																							
09	151	4	2	10.0	170	117	7	4	16.0	200	82	10	7			59																					8.5	2.0																									
10	150			11.0	160	119			7.5	130	83	8	6	16.5	235	61	12	4	1.0	3.5	36																6.0	8.0	2.7	4	2	2.0	4.0	2.5	4	2	1.0	2.5															
11	152	1	3	11.0	160	121	4	4	13.0	180	83	6	8	4.0	7.0	58	7	2																				6.0	8.5	2.7	4	2	4.5	70	2.5	2	2	2.0	3.5														
12	152	2	4	14.0	180	121	4	4	11.0	16.5	85	5	9	12.5	190	58	10	3	2.0	4.0	35	4	2	8.0	125	34	9	4	4.5	7.0	2.7	5	4	4.0	6.0	2.5	2	2	1.5	3.5																							
13	152	4	3	10.0	160	121	6	3	9.0	140	85	10	7	11.0	160	61	10	4	17.0	240	36	3	4	7.5	105	34	7	4	7.0	100	29	8	6	4.0	6.5	2.5	7	2	2.0	4.0																							
14	154	2	1	10.0	160	123	2	3	7.0	120	85	10	3	6.0	110	59	7	2	10.0	165	37	1	3	7.5	105	34	9	2	5.0	8.0	31	8	5	4.5	70	27	4	2	3.0	5.0																							
15	154	3	2	9.5	130	125	3	5	8.0	135	87	14	4	10.0	170	59	14	2	200	300	35	3	2	6.0	80	38	9	6	3.0	6.0	33	6	4	3.0	5.5	27	2	2	2.0	3.5																							
16	156	3	4	9.0	130	123	3	4	6.0	100	85	5	7	9.5	155	59	7	2	120	230	37	5	1	4.0	75	39	6	4	7.5	105	37	4	2	3.0	6.0	29	4	3	2.5	3.5																							
17	156	4	4	8.0	140	121	4	4	6.5	110	83	11	8	7.5	125	59	20	3	3.5	70	37	11	0	4.5	75	44	2	12	3.0	6.0	42	3	3	3.5	70	29	3	2	2.5	4.5																							
18	155	3	3	7.0	120	119	4	6	6.0	105	85	5	5	8.5	140	67	5	6	3.5	60	43	2	2	4.0	70	50	12	2	2.5	4.5	45	6	4	3.5	60	31	1	4	20	40																							
19	154	3	3	7.0	120	123	4	4	9.0	145	97	6	5	5.0	110	73	7	3	8.5	125	49	6	2	5.0	80	60	4	3	6.0	100	45	6	3	40	70	31	2	4	2.5	40																							
20	156	3	2	9.5	145	129	4	4	10.5	170	107	6	9	70	140	79	8	6	70	140	56	9	5	4.0	75	68	5	8							47	4	6	40	70	29	4	2	1.5	40																			
21	156	3	3	9.0	145	131	3	5	9.0	155	109	5	8	9.5	135	83	5	7	70	140	59	12	6	4.5	80	70	5	5							47	3	5	40	75	27	2	2	10	30																			
22	155	4	3	9.5	150	131	2	5	10.0	170	109	5	8	7.0	140	83	8	6	70	140	61	9	8	40	75	62	10	4	30	60	44	5	3	30	55	27	2	0	10	2.5																							
23	156	3	4	11.0	160	131	5	5	10.0	170	107	7	6	8.0	150	83	12	5	70	130	61	8	6	5.5	95	59	7	5	4.5	80	44	5	3	30	60	27	2	2	20	3.5																							

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

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

D_9 = ratio of median to lower decile in db

 V_{+1} = median deviation of average voltage in db below mean power σ_{dm} = median deviation of average voltage in dB below mean power

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)											
	0.13				0.51				1.60			
	Fam	Du	D _L	V _{dm}	L _{dm}	Fam	Du	D _L	V _{dm}	L _{dm}	Fam	Du
00	156	4	4	11.0	16.0	132	6	5	9.0	16.5	115	4
01	156	5	6	11.0	17.0	134	8	8	6.5	14.0	113	10
02	157	3	6	11.0	17.0	134	7	8	8.0	15.0	113	10
03	156	4	5	11.5	17.5	134	9	9	11.0	18.0	113	9
04	155	5	4	13.0	19.0	132	10	8	10.5	18.0	111	10
05	154	6	5	12.0	16.5	124	14	7	12.0	19.0	95	16
06	152	6	8	10.0	15.0	122	14	8	11.5	17.5	87	28
07	152	8	4	10.0	16.0	118	15	8	12.0	17.0	89	23
08	152	8	4	11.0	16.0	120	11	10	10.5	16.0	91	22
09	152	4	4	11.0	16.0	122			6.5	11.5	92	
10	153			13.0	19.0	122	14	10	12.0	17.0	91	19
11	152	4	2	13.0	18.0	122	10	4	11.5	17.0	93	22
12	154	5	6	12.0	16.0	126	10	10	13.0	18.0	93	23
13	156	5	5	12.0	18.0	128	14	8	12.0	19.0	97	23
14	156	6	2	9.5	16.0	128	4	6	8.0	13.5	97	26
15	158	4	2	8.0	14.0	128	12	6	8.0	14.0	100	23
16	158	8	2	7.5	13.0	128	6	7	11.5	16.5	103	22
17	158	4	4	7.0	13.0	124	15	10	7.0	11.0	95	30
18	156	4	4	7.0	12.0	126	18	10	12.0	18.0	103	21
19	156	6	2	8.0	13.5	127	14	5	8.0	11.5	108	15
20	158	3	6	9.0	14.5	131	7	7	7.5	13.0	111	8
21	156	4	2	9.0	14.0	132	4	5	8.0	14.0	111	4
22	156	4	4	8.0	13.0	132	6	4	6.5	16.5	113	10
23	156	4	2	7.5	15.0	132	7	4	7.0	12.5	113	6

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

Du = 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 Patania S. Africa Lat. 25.8S Long. 28.3E Month June 1962

Frequency (Mc)

Hour (LST)	.013			.051			160			495			2.5			5			10			20		
	F _{om}	D _u	L _{dm}	F _{om}	D _u	L _{dm}	F _{om}	D _u	L _{dm}	F _{om}	D _u	L _{dm}	F _{om}	D _u	L _{dm}	F _{om}	D _u	L _{dm}	F _{om}	D _u	L _{dm}	F _{om}	D _u	L _{dm}
00	142 7 6			132 11 8			107 15 9			95 14 6			67 10 8			57 7 6			32 6 2			21 0 0		
01	142 6 5			132 14 8			107 13 9			95 15 6			66 13 6			57 10 4			32 6 2			21 0 0		
02	142 6 6			131 13 7			107 16 9			93 16 5			65 12 6			57 8 5			30 8 0			21 0 0		
03	142 8 7			131 14 7			104 15 6			93 16 6			65 14 6			56 11 5			30 5 0			21 0 0		
04	142 6 7			132 12 8			104 16 8			91 18 6			65 13 8			57 8 6			30 6 0			21 0 0		
05	142 8 6			130 16 8			102 18 8			87 20 4			65 16 10			57 8 8			30 4 2			21 0 0		
06	140 8 6			126 14 6			90 20 9			71 16 10			61 18 16			54 13 5			32 6 2			21 0 0		
07	140 10 8			122 18 10			74 36 8			65 18 6			49 10 11			49 14 6			38 14 6			21 2 0		
08	136 14 3			120 17 12			83			63 8 2			47 7 3			45 9 7			36			21		
09	138 10 6			120 17 14			78 28 8			65 8 4			47 4 0			45 6 4			30 22 4			21 0 0		
10	136 14 5			118 19 13			76 31 6			65 9 4			47 3 2			43 6 2			30 21 6			21 2 0		
11	136 13 4			118 18 10			78 30 9			65 8 4			47 2 2			43 7 2			28 23 4			21 2 0		
12	138 11 6			118 16 6			78 29 9			63 9 4			47 2 4			41 7 6			28 22 5			21 2 0		
13	140 8 6			122 12 9			86 19 18			63 6 4			45 2 4			41 6 8			30 20 4			21 2 0		
14	142 6 7			126 8 12			86 19 17			65 6 7			45 2 4			43 6 10			40 10 13			21 2 0		
15	142 6 6			126 9 10			88 15 21			63 15 4			45 6 6			43 11 8			38 14 8			21 3 0		
16	142 4 6			126 10 10			86 19 16			65 20 5			46 15 6			47 13 6			41 10 6			21 2 0		
17	142 6 7			124 12 8			96 13 20			76 18 16			53 17 6			57 9 11			40 8 2			21 2 0		
18	142 6 7			128 12 12			98 12 10			87 15 6			62 11 10			57 9 8			40 3 2			21 0 0		
19	142 6 5			128 10 6			102 12 10			91 12 4			63 12 6			55 12 5			36 6 3			21 0 0		
20	142 6 3			128 10 4			102 14 7			93 11 6			65 10 6			55 11 4			34 6 2			21 0 0		
21	142 6 3			130 10 6			104 14 8			95 13 8			67 7 8			57 8 6			34 6 4			21 0 0		
22	142 6 4			130 11 8			104 14 8			95 13 8			65 9 6			57 8 4			32 7 2			21 0 0		
23	142 7 5			132 10 10			106 14 8			95 14 7			65 10 5			57 8 4			34 8 4			21 0 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_{am} = 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. 25.85 Long. 28.3E

Month August 1962

Hour (LST)	Frequency (Mc)																																		
	.013				.051				.160				.495				2.5				5				10				20						
	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm	Fom	Du	D ₂	Vdm	Ldm					
00	137	6	2			125	14	9			109	16	13			88	16	10			67	14	10			56	7	5			34	4	4		
01	137	6	2			125	14	7			111	11	14			88	16	9			66	15	11			57	8	6			32	6	4		
02	137	7	2			125	14	8			108	14	12			88	16	9			67	14	6			56	11	5			30	8	2		
03	137	6	2			125	14	8			107	15	12			87	17	6			67	14	6			55	12	4			31	3	3		
04	137	6	2			123	16	6			105	16	9			86	16	7			65	18	4			55	6	4			30	2	2		
05	137	5	2			125	14	6			102	16	8			84	13	11			65	16	4			55	6	6			30	4	2		
06	137	4	2			119	12	6			88	22	7			60	37	4			61	8	8			55	14	4			36	6	6		
07	135	8	2			115	18	8			81	27	8			89	15	32			51	10	2			49	12	4			36	16	6		
08	133	10	2			111	18	11			73					96	6	40			51	4	4			47	8	4			32				
09	131	8	2			113	18	16			79	26	6			97	7	37			53	2	3			47	9	4			32	15	7		
10	131	11	4			109	20	12			78	27	6			96	7	39			53	4	4			45	8	2			28	18	4		
11	131	13	3			111	20	10			81	25	9			92	11	35			53	2	2			47	3	3			28	16	2		
12	133	12	5			113	17	8			77	34	5			96	8	39			51	4	4			47	6	11			28	19	4		
13	135	9	4			115	15	8			77	33	6			96	8	38			53	2	6			45	7	10			30	16	4		
14	137	8	5			117	14	8			79	31	6			90	14	32			51	4	4			44	8	8			32	18	4		
15	137	8	4			119	12	10			83	28	10			94	10	36			57	4	6			45	11	9			36	15	6		
16	139	6	7			121	11	12			89	9	16			76	28	18			53	10	6			49	11	10			41	7	7		
17	139	5	6			119	11	12			93	19	18			82	21	22			55	16	9			56	9	9			40	11	2		
18	136	9	5			121	15	12			101	15	16			94	10	21			63	16	8			59	12	8			44	4	6		
19	139	6	6			123	14	8			105	12	14			94	10	17			68	13	7			59	12	8			42	4	6		
20	139	6	5			123	15	8			107	15	13			94	11	16			70	11	9			61	6	10			38	6	4		
21	139	5	5			127	10	11			109	13	14			94	10	15			67	13	5			59	11	6			38	2	6		
22	139	5	4			125	12	7			109	14	11			92	14	11			68	12	9			57	13	4			36	6	4		
23	137	6	2			125	14	7			110	14	11			94	12	12			67	14	8			58	9	5			34	6	2		

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

Du = ratio of upper decile to median in db

D₂ = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ebbar, Morocco

Lat. 33.9N Long. 6.8W

Month June

1962

Time (ST)	Frequency (Mc)											
	013				051				160			
	Fom	D _g	Vdm	Ldm	Fom	D _g	Vdm	Ldm	Fom	D _g	Vdm	Ldm
00	157	2	2		133	2	7		116	4	10	
01	157	2	2		133	2	6		115	5	6	
02	157	2	4		133	3	6		114	4	6	
03	157	0	4		131	4	4		114	4	7	
04	157	2	2		131	4	5		104	6	5	
05	157	2	2		123	6	4		92	7	5	
06	155	2	0		119	7	4		86	11	4	
07	155	0	4		115	7	6		90	4	11	
08	153	4	4		113	6	6		94			
09	153	2	4		117	9	6		94	6	9	
10	153	2	4		119	6	10		90	12	10	
11	153	2	4		121	8	11		94	16	4	
12	153	2	4		123	8	9		96	10	7	
13	157	2	4		126	7	8		99	13	9	
14	157	4	2		128	5	7		100	16	8	
15	159	4	4		131	6	22		102	14	10	
16	159	4	4		127	10	4		104	14	14	
17	159	4	6		126	13	5		102	22	15	
18	157	5	4		125	14	6		96	22	11	
19	155	4	4		123	12	6		101	17	7	
20	155	4	4		129	10	5		110	6	8	
21	155	6	4		131	6	6		112	8	6	
22	157	4	6		133	6	6		114	6	8	
23	157	2	5		131	4	8		114	5	6	

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

D_g = ratio of upper decile to median in db

Vdm = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Babat, Morocco

Lat. 33.9N Long. 6.8W

Month July

1962

Frequency (Mc)

Frequency (Mc)																								
Hour (LST)	.013			.051			.160			.495			2.5			5			10			20		
	F _{om}	D _f	V _{dm} -L _{dm}	F _{am}	D _f	V _{dm} -L _{dm}	F _{om}	D _f	V _{dm} -L _{dm}	F _{am}	D _f	V _{dm} -L _{dm}	F _{om}	D _f	V _{dm} -L _{dm}	F _{am}	D _f	V _{dm} -L _{dm}	F _{om}	D _f	V _{dm} -L _{dm}	F _{am}	D _f	V _{dm} -L _{dm}
00	150	7	7	128	6	16	112	6	30	82	6	14	57	7	25	57	10	23	44	6	10	22	2	6
01	150	8	6	127	9	17	112	8	18	82	6	19	58	8	25	56	10	40	44	8	8	22	2	4
02	150	10	8	126	10	2	112	6	18	80	6	15	58	4	23	52	6	20	44	6	12	22	2	6
03	148	10	16	126	12	7	112	6	14	80	5	13	56	2	18	52	9	22	44	7	10	22	2	2
04	148	11	14	126	9	17	102	6	15	74	6	8	56	2	14	51	9	19	44	4	8	22	2	4
05	148	10	8	122	8	10	89	7	12	60	2	7	52	4	12	46	8	13	40	8	8	22	2	6
06	148	8	12	118	6	20	84	6	9	55	4	5	44	6	10	40	7	7	41	7	9	22	4	6
07	148	8	2	114	8	18	73	10	10	52	7	2	38	8	9	30	5	5	36	10	9	23	7	7
08	148			112			86			56			34	8	10	26			32			22		
09	148			116			91	7	10	56	8	6	36	6	6	26	5	4	32			22	16	3
10	148	4	8	118	4	11	86	6	6	52	7	2	34	9	3	24	12	8	31	30	5	22	10	4
11	148	5	4	119	5	5	92	4	8	54	14	4	38	4	6	24	6	8	28	28	4	22	2	6
12	150	4	10	120	6	15	92	8	17	60	13	8	36	6	6	22	6	6	27	11	3	23	5	7
13	152	5	4	124	7	8	96	14	16	58	24	8	36	6	8	24	8	10	26	13	2	22	4	6
14	152	4	7	126	4	18	96	12	18	58	36	8	34	8	12	22	8	6	28	5	2	26	2	8
15	154	4	19	127	10	21	96	21	12	56	35	8	35	10	9	24	12	8	34	15	12	24	6	6
16	154	4	24	126	8	26	105	13	25	60	28	8	36	10	12	29	12	12	38	3	9	28	4	8
17	154	4	7	126	8	10	96	21	23	67	25	13	38	10	6	34	15	7	39	7	8	28	6	4
18	152	4	9	126	8	8	92	18	14	61	27	7	43	9	9	42	6	18	44	5	10	26	6	8
19	150	4	2	124	8	15	102	11	16	80	8	13	48	8	17	48	6	14	46	15	8	26	4	8
20	150	6	10	126	10	12	107	7	20	83	10	14	56	8	16	51	9	19	45	10	12	24	4	6
21	151	5	5	126	8	9	108	8	26	86	4	9	60	6	20	52	8	12	46	9	8	24	2	6
22	152	4	8	127	7	10	108	8	12	84	8	8	57	13	17	54	7	12	44	8	9	22	4	6
23	152	6	8	127	9	6	110	4	4	84	7	16	56	8	16	56	10	18	44	4	16	24	2	8

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

D_f = ratio of upper decile to median in db

D_f = ratio of median to lower decile in db

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

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

USCIBAL-45-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9N Long. 6.8W Month August 19 62

Hour (LST)	Frequency (Mc)											
	.013				.051				.160			
	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}
	.495				2.5				5			
	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}
	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}
	10				20							
	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}
	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}
00	146	4	4		128	6	4		86	8	4	
01	146	4	4		128	5	8		86	6	4	
02	146	4	4		128	6	7		85	7	5	
03	146	3	8		128	4	6		84	10	8	
04	146	10	8		126	6	10		80	9	8	
05	146	4	9		126	4	9		68	12	6	
06	146	6	6		118	6	10		60	5	10	
07	144	5	7		116	6	7		56	10	6	
08	142	7	4		112	8	10		57			
09	141	3	1		114	4	8		58	8	6	
10	140	4	4		112	8	6		56	5	4	
11	142	2	4		116	7	7		56	10	4	
12	142	3	4		120	7	10		65	11	9	
13	142	3	4		122	4	6		72	14	16	
14	144	4	3		123	5	5		78	12	20	
15	144	6	2		125	7	8		76	18	18	
16	145	5	3		126	3	5		78	14	20	
17	144	4	3		126	4	6		69	23	11	
18	146	4	4		122	6	6		76	12	8	
19	142	6	2		124	4	8		86	4	11	
20	144	4	6		128	4	6		88	4	4	
21	144	4	4		128	6	8		88	6	6	
22	144	3	5		128	7	6		88	3	5	
23	146	2	4		128	5	4		86	6	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 São José, Brazil Lat. 23.3S Long. 45.8W Month December 1961

Hour (LST)	Frequency (Mc)																																															
	.051						.113						.246						.545						2.5						5						10						20					
	Fam		Du	Df	Vdm	Ldm	Fam		Du	Df	Vdm	Ldm	Fam		Du	Df	Vdm	Ldm	Fam		Du	Df	Vdm	Ldm	Fam		Du	Df	Vdm	Ldm	Fam		Du	Df	Vdm	Ldm	Fam		Du	Df	Vdm	Ldm						
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm			
00	130	8	6	8.0	12.0	111	9	7	7.0	10.5	96	9	12	8.5	13.5	89	8	8	7.0	11.0	66	9	4	9.5	16.0	61	4	4	9.5	16.0	49	5	4	9.0	13.5	30	2	6	5.5	7.5								
01	129	7	9	7.5	11.0	110	10	8	7.5	11.0	95	10	14	9.0	14.0	87	8	6	8.5	12.0	66	10	6	11.0	18.0	57	6	6	9.5	16.0	47	4	6	10.5	15.0	28	4	2	6.0	7.0								
02	128	9	7	8.0	12.0	108	12	6	7.5	12.0	92	12	10	8.5	13.0	85	10	8	8.0	12.5	64	8	6	10.5	18.5	57	4	4	10.0	17.0	47	6	6	9.0	12.0	28	4	4	6.0	7.0								
03	126	10	4	9.5	12.5	108	12	10	8.0	10.0	88	14	10	9.0	12.0	82	13	6	7.5	11.5	66	6	10	10.5	17.5	59	4	10	11.5	16.5	47	6	3	8.0	11.5	28	4	5	6.0	7.0								
04	124	10	10	8.5	11.5	106	10	17	7.0	11.0	84	10	26	9.0	13.0	78	6	10	6.0	8.0	63	9	11	9.5	17.0	57	5	7	11.0	20.0	49	8	6	7.5	11.0	28	5	4	5.0	7.0								
05	120	10	10	9.0	18.5	96	14	18	6.0	8.0	66	17	8	9.5	14.0	85	8	16	4.5	5.5	56	7	12	11.0	19.0	51	10	6	9.5	16.5	53	18	9	8.0	11.5	29	18	4	5.0	6.5								
06	119	10	14	11.0	19.5	86	19	11	8.5	13.0	66	21	10	9.0	15.0	87	7	5	7.0	7.5	48	9	17	9.0	14.0	49	9	9	10.0	16.5	57	10	18	7.5	13.5	34	17	8	6.0	9.0								
07	117	8	16	8.0	13.0	90	18	12	5.0	7.5	66	21	9	8.0	13.0	89	7	7	2.5	2.5	38	10	6	7.5	12.0	43	9	10	9.5	16.0	53	10	18	7.0	12.0	30	15	5	4.5	6.5								
08	116	11	17	7.0	14.0	88	20	10	6.0	7.5	68	18	10	10.0	20.0	89	6	9	4.0	4.5	34	27	6	7.0	8.5	39	12	9	10.5	16.5	45	17	16	8.5	14.0	30	8	5	6.0	8.0								
09	116	10	9	7.0	16.5	90	15	8	5.5	6.5	70	18	8	9.0	11.5	89	4	7	3.0	3.0	38	26	11	6.0	8.0	40	14	8	10.5	13.5	46	13	20	8.0	12.5	28	6	4	5.0	6.5								
10	118	16	6	11.5	17.5	96	20	10	6.0	7.5	72	30	12	6.0	7.0	89	12	8	3.0	3.0	40	22	10	8.5	11.0	37	16	10	11.0	15.0	49	16	20	10.0	17.0	31	17	5	6.5	10.0								
11	122	16	4	10.0	16.5	103	17	15	9.0	11.5	80	33	12	11.5	20.5	89	22	4	5.0	5.0	44	26	14	8.0	11.5	41	14	16	12.0	17.0	49	10	14	10.0	16.0	30	20	6	7.0	9.5								
12	128	24	8	9.0	16.0	108	22	14	6.5	12.0	96	22	36	6.0	8.0	95	13	12	7.0	8.0	48	26	14	14.0	24.0	45	24	14	12.0	18.0	49	10	14	9.0	13.5	34	16	8	8.0	12.0								
13	134	16	10	8.0	11.0	116	18	20	8.0	11.0	104	16	26	7.0	11.0	97	18	10	4.0	4.5	58	26	22	15.0	25.0	48	18	14	12.0	19.5	49	12	10	8.5	14.0	36	12	8	8.0	14.0								
14	138	16	12	8.0	12.0	121	19	17	9.5	11.5	107	17	36	10.0	14.0	97	16	10	5.5	7.0	63	19	19	12.5	20.0	54	15	15	11.5	21.0	46	11	7	8.5	11.5	38	10	10	8.0	11.0								
15	138	12	14	7.0	10.0	118	18	20	8.0	11.0	100	22	28	9.0	16.0	97	16	10	5.0	6.5	64	18	18	11.0	20.0	54	15	13	11.5	17.5	49	6	10	8.0	12.0	36	10	10	7.5	13.0								
16	140	12	14	8.5	11.0	118	16	17	7.5	12.0	100	20	28	8.0	13.0	93	15	8	6.0	7.0	63	19	18	12.0	20.0	55	12	10	10.0	15.5	49	8	8	8.0	12.0	36	10	10	7.0	10.5								
17	136	8	12	8.5	12.5	116	10	16	8.0	12.0	95	17	19	10.0	14.0	89	14	2	3.0	3.0	59	19	11	12.0	21.0	55	10	10	7.5	12.0	57	4	12	7.5	11.0	35	9	7	6.0	9.0								
18	136	4	12	6.5	9.0	113	9	13	7.0	11.0	94	14	16	6.0	10.0	90	9	7	4.0	4.5	64	10	10	10.0	15.5	60	5	7	7.5	12.0	49	2	4	7.0	11.0	34	4	8	7.0	9.5								
19	133	7	9	7.0	10.0	114	8	12	6.0	10.0	100	8	14	6.0	9.0	95	14	10	3.0	3.5	68	6	6	9.0	15.0	63	6	10	7.0	10.0	57	2	6	7.5	11.5	32	6	4	7.5	11.5								
20	134	6	8	6.5	10.0	113	9	15	6.5	9.0	98	8	10	7.0	11.0	93	4	6	4.0	5.0	68	6	6	8.5	13.0	63	6	6	8.0	11.5	57	2	4	8.5	12.0	32	10	4	6.0	8.5								
21	132	10	6	7.5	11.0	114	10	6	6.5	9.5	96	12	9	7.0	10.5	93	6	8	5.0	6.5	70	4	4	7.5	13.5	65	4	8	8.5	13.5	49	4	4	8.0	12.0	28	8	2	5.0	6.5								
22	130	8	6	8.0	10.0	112	11	4	6.5	11.5	94	12	8	8.5	12.0	89	8	8	5.5	9.0	68	4	6	9.0	16.0	61	6	6	8.0	11.5	49	5	4	8.5	12.5	30	4	5	6.0	7.5								
23	130	8	6	8.0	13.0	112	12	10	7.0	10.0	98	6	14	8.0	11.5	88	11	7	7.5	11.5	68	2	6	10.0	15.0	63	3	9	8.5	13.5	47	4	4	7.5	13.0	30	4	8	5.5	7.0								

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

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Sfo. José, Brazil Lat. 23.3S Long. 45.8W Month February 19 62

Time (hr)	Frequency (Mc)											
	0.51			113			246			545		
	F _{am} [*]	D _u	V _{dm} L _{dm}	F _{am} [*]	D _u	D _l 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	134			114			99			90		
01	132			112			99			88		
02	130			112			96			86		
03	129			109			95			86		
04	132			109			94			86		
05	128			106			81			88		
06	128			94			69			88		
07	122			88			67			88		
08	120			90			70			87		
09	116			91			70			88		
10	119			91			69			89		
11	118			95			79			88		
12	125			100			86			88		
13	137			112			94			91		
14	141			114			97			92		
15	142			118			100			95		
16	144			122			99			92		
17	146			124			103			93		
18	148			122			103			94		
19	146			120			101			95		
20	141			114			105			96		
21	141			112			103			96		
22	136			114			101			94		
23	135			112			99			93		

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3S Long. 45.8W Month March 1962

Hour (ST)	Frequency (Mc)											
	.051				113				246			
	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}	F _{am}	D _u	V _{dm}	L _{dm}
00	*132				86				*87			
01	*131				86				*87			
02	*130				86				*87			
03	*128				86				*87			
04	*132				84				*89			
05	*128				86				*87			
06	*123				86				*89			
07	*122				85				*87			
08	*119				84				*87			
09	*120				84				*85			
10	*122				86				69 12	10		
11	*126				89				*69			
12	*128 8 10				86				*69			
13	*130				86				*71			
14	*132				86				*77			
15	*133				86				*79			
16	*135				89				*81			
17	*134				90				*87			
18	*134				87				*96			
19	*134				90				*100			
20	*136				92				*101			
21	*134				90				*101			
22	*133				86				*100			
23	*133				86				*100			

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.35 Long. 45.8W

Month April 1962

Hour (LST)	Frequency (Mc)																															
	.051				113				246				545				7.5				5				10				20			
	F _{om} [*]	D _u	D _L	V _{dm}	L _{dm}	F _{om} [*]	D _u	D _L	V _{dm}	L _{dm}	F _{om} [*]	D _u	D _L	V _{dm}	L _{dm}	F _{om} [*]	D _u	D _L	V _{dm}	L _{dm}	F _{om} [*]	D _u	D _L	V _{dm}	L _{dm}	F _{om} [*]	D _u	D _L	V _{dm}	L _{dm}		
00	126					102					94					78						49					40				25	
01	122					103					94					78						47					42				26	
02	122					102					93					79						48					41				27	
03	121					99					90					75						46					42				26	
04	121					98					86					76						47					39				25	
05	118					93					74					85						46					39				27	
06	115					85					72					82						47					39				27	
07	110					85					70					83						44					37				27	
08	110					85					70					82						36					37				27	
09	118					86					68					83						33					36				26	
10	110					87					68					86						30					37				28	
11	116					93					70					83						31					34				29	
12	119					97					72					85						29					34				27	
13	120					101					81					84						31					37				30	
14	124					101					83					87						33					37				30	
15	128					101					88					82						41					41				31	
16	126					103					92					86						46					44				32	
17	128					103					92					84						51					48				30	
18	128					105					94					88						51					45				31	
19	128					107					100					88						51					47				30	
20	126					107					94					88						51					47				28	
21	124					103					94					82						55					43				28	
22	124					103					94					82						51					41				28	
23	122					97					92					83						53					41				25	

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

D_u = ratio of upper decile to median in db

D_L = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaysia Lat. 1.3N Long. 103.8E Month April 19 62

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

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

D_f = ratio of upper decile to median in db

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

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaysia

Lat. 1.3N Long. 103.8E

Month May

19 62

Hour (LST)	Frequency (Mc)																																																																										
	.013						.051						.160						.545						2.5						5						10						20																																
	Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm		
	Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm		
	Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm			Fam			Du			Df			Vdm			Ldm		
00	160	6	8	700	160	139	7	4	9.5	155	122	5	5	8.5	155	94	8	4	8.0	140	61	6	5	6.0	110	56	5	4	6.0	100	46	6	5	5.0	80	23	5	1	2.0	45																																			
01	156	8	2	90	135	141	6	6	110	175	123	4	6	9.5	165	94	6	6	8.0	150	61	6	4	5.5	110	57	7	6	6.0	110	46	7	4	5.0	80	22	4	0	2.0	40																																			
02	159	9	5	120	200	139	10	4	115	140	123	6	6	9.5	170	94	9	6	8.5	160	63	6	6	7.0	115	59	4	7	6.0	100	46	5	7	4.5	75	22	2	0	2.0	35																																			
03	158	10	4	125	190	141	8	5	105	180	123	6	6	110	190	94	7	6	7.5	145	64	6	5	7.0	130	57	6	6	5.0	90	42	6	4	4.5	80	22	2	0	2.0	40																																			
04	159	7	5	120	200	141	8	6	110	190	123	6	8	100	195	95	8	8	9.0	190	65	6	6	7.0	120	55	6	5	6.0	95	41	7	7	4.5	75	22	3	0	2.5	40																																			
05	158	9	3	115	195	139	8	6	110	185	119	10	10	120	215	90	8	14	125	220	63	8	4	8.0	135	52	7	4	6.5	100	39	22	5	4.5	70	22	2	0	2.0	35																																			
06	156	10	2	200	190	135	8	8	130	215	111	16	8	170	270	79	19	12	110	225	57	7	8	100	170	55	5	6	7.0	110	45	12	5	5.0	80	22	2	0	2.5	45																																			
07	156	8	4	145	230	134	8	8	135	220	110	12	13	165	265	72	22	8	130	215	47	12	8	110	180	49	4	7	9.5	175	44	5	5	7.0	100	23	3	2	4.0	60																																			
08	156	8	4	135	220	132	7	8	155	260	109	9	12	175	240	76	22	10	170	240	38	14	9	120	200	42	3	7	100	170	38	8	4	9.0	140	22	2	2	4.0	65																																			
09	156	8	4	150	240	133	7	8	160	250	109	12	9	160	260	70	41	6				33	20	6	100	160	37	6	4	105	165	40	2	6	100	165	22	2	2	3.5	70																																		
10	158	4	6	160	250	133	6	5	145	250	112	16	13	160	275	74	24	7	170	290	31	13	6					35	5	90	150	38	8	8	115	170	22	6	2	3.5	65																																		
11	156	8	6	150	230	132	11	7	145	240	109	20	9	140	250	76	26	8	140	270	35	19	8					33	22	4	90	150	38	14	8	110	180	22	9	2	3.5	65																																	
12	158	8	8	140	230	133	10	8	130	225	115	14	10	140	255	86	18	13	100	260	31	36	3	90	150	34	22	5	115	165	40	6	8	90	145	24	6	4	4.5	80																																			
13	162	6	8	115	200	137	16	6	130	230	118	17	11	120	210	98	15	22	155	270	44	27	14				40	29	7	100	160	42	11	6	8.5	140	29	15	9	*	80																																		
14	164			110	180	139			110	200	127			105	210	100			110	210	49							48			6.5	110	46	18	6	90	160	28	14	6	6.5	100																																	
15	164	9	6	95	170	141	9	10	100	170	121			100	180	95	15	21	120	240	58	18	21	90	160	51	11	10	90	160	46	6	4	60	100	30	4	4	40	20																																			
16	164	8	6	95	170	143	10	12	120	200	121	10	14	120	210	97	11	21	115	220	57	26	18	110	175	54	11	10	70	130	48	6	4	60	100	30	6	6	40	20																																			
17	163	5	7	95	160	139	8	10	115	200	120	9	11	120	195	92	14	13	95	185	57	9	3	60	115	55	6	5	65	105	48	13	2	50	85	30	3	4	40	60																																			
18	161	5	5	85	140	139	8	8	110	190	119	6	6	95	180	96	7	7	70	130	63	6	8	60	120	60	3	4	50	90	50	14	3	50	85	30	3	4	30	60																																			
19	159	7	5	100	160	139	8	6	95	185	122	5	7	90	175	96	6	6	65	120	67	4	7	55	110	61	4	5	45	90	50	23	3	50	90	28	4	2	40	65																																			
20	158	8	4	90	145	139	8	6	100	180	121	6	4	90	155	96	4	4	70	135	65	4	4	4	50	100	59	4	4	45	90	50	17	3	40	75	30	4	4	30	60																																		
21	156	10	4	90	150	139	8	4	95	170	122	8	3	75	140	96	5	4	75	150	65	4	4	4	50	90	59	3	6	40	75	50	15	4	40	75	28	7	3	30	60																																		
22	158	6	4	100	160	139	6	4	95	170	121	7	3	90	160	96	6	4	80	145	63	5	4	5.5	110	57	3	4	55	100	50	8	5	50	95	26	2	2	30	55																																			
23	158	6	4	110	170	138	7	4	105	170	121	8	4	85	170	94	8	2	80	150	63	4	4	65	115	57	3	5	60	100	48	4	4	45	85	24	4	2	30	50																																			

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

D_u = ratio of upper decile to median in db

D_L = ratio of median to lower decile in db

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

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

USCAR-10-1-61

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6N Long. 68.7W Month May 1962

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

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 at average voltage in db below mean power

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland

Lat. 76.6N Long. 68.7W

Month June 19 62

Hour (LST)	Frequency (Mc)											
	.013				.051				.160			
	Fom	Du	Dz	Vdm	Ldm	Fom	Du	Dz	Vdm	Ldm	Fom	Du
00	156 4	2 6.5 9.0	2 8.5 11.5	89 8	4 7.0 9.0	72 4	2 6.5 9.0	45 9	10		36 5	6
01	156 3	2 7.0 9.0	2 8.5 11.0	90 3	6 6.5 8.5	72 4	4 6.0 9.0	10 15	5		34 3	7
02	156 4	2 7.0 9.0	2 9.0 12.0	88 6	4 6.5 8.5	72 4	2 6.5 9.0	47 10	10		31 7	6
03	156 2	2 6.5 8.5	2 9.0 12.0	88 4	4 7.0 9.0	72 4	2 7.0 9.0	47 8	9		29 7	5
04	156 4	2 6.5 8.0	2 8.5 11.0	88 4	4 7.0 9.5	72 2	2 6.0 9.0	42 14	8		24 12	3
05	156 2	2 7.0 9.0	2 8.5 11.0	88 4	4 6.5 8.5	72 2	2 6.5 9.0	45 11	8		26 10	4
06	156 2	5 7.0 9.0	2 8.5 11.0	90 2	6 7.5 10.0	74 2	2 6.5 9.0	46 10	9		26 8	5
07	156 2	2 6.5 8.0	2 8.0 10.0	92 2	6 7.0 9.0	74 2	2 6.0 9.0	45 11	8		24 12	2
08	156 2	5 6.5 8.0	2 8.0 10.0	92 4	6 7.0 9.0	75 3	3 7.0 10.0	43 11	4		30 6	8
09	154 4	4 7.0 9.5	2 9.5 12.0	92 4	6 7.0 10.0	76 3	4 7.0 9.0	49 8	12		28 22	6
10	151 2	3 6.5 8.0	2 9.0 11.0	92 2	6 6.5 9.0	76 1	4 6.5 9.5	47			31 8	9
11	156 4	4 7.0 9.0	2 8.0 10.0	92 4	6 7.0 9.0	74 3	2 7.0 9.0	43 10	4		26 10	6
12	156 2	2 7.0 8.0	2 9.0 12.0	92 2	8 7.0 9.0	76 1	4 7.0 9.0	43 12	6		26 10	4
13	156 2	2 6.5 8.0	2 8.5 11.0	92 2	8 7.0 9.5	74 2	2 7.0 10.0	45 10	6		26 19	4
14	156 2	2 7.0 8.5	2 11.5 11.5	4 1	9.0 11.0	92 2	6 7.0 10.0	43 11	5		23 13	3
15	156 4	2 6.5 9.0	2 11.5 11.5	4 0	8.0 10.5	91 2	5 7.0 10.0	43 10	8		22 17	2
16	157 3	2 7.0 9.0	2 11.5 11.5	4 0	9.0 12.0	90 3	5 7.0 9.0	41 11	6		23 13	3
17	158 1	4 7.0 9.0	2 11.7 0	2 8.0 10.0	90 2	6 7.0 9.0	3 7.0 9.5	41 11	8		22 10	2
18	158 0	4 7.0 9.0	2 11.7 0	2 8.0 10.0	92 3	6 6.0 8.0	75 4	3 7.0 9.0	42 10	8	24 9	2
19	158 2	4 7.0 9.0	2 11.7 2	2 8.5 11.0	92 4	6 6.0 8.0	72 2	2 7.0 9.0	39 15	4	24 8	2
20	156 3	2 7.0 8.0	2 11.7 0	2 8.0 11.0	90 2	4 6.5 9.0	72 4	2 7.0 9.0	43 8	7	26 7	4
21	158 0	4 7.0 9.0	2 11.5 6	0 8.5 11.0	90 2	6 7.0 9.0	72 2	2 6.5 9.0	41 13	5	28 8	4
22	156 3	2 7.0 10.0	2 11.5 2	2 9.0 12.0	90 4	6 7.0 8.5	72 2	2 7.0 9.0	40 11	6	32 5	7
23	156 2	2 7.0 9.0	2 11.5 4	2 9.0 12.0	90 2	5 6.5 9.0	72 2	2 6.5 8.5	45 10	7	35 4	6

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

Du = ratio of upper decile to median in db

Dz = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland

Lat. 76.6N Long. 68.7W

Month July 1962

Hour (LST)	Frequency (Mc)											
	0.13				0.51				1.60			
	F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u	D _l	V _{dm}	L _{dm}	F _m	D _u
00	152	4	6	5.0	7.5	117	2	2	9.0	11.5	87	5
01	152	3	5	5.0	6.0	117	0	4	8.5	11.0	87	3
02	152	4	6	4.5	6.0	117	0	4	10.0	12.5	87	4
03	152	3	6	4.5	6.0	115	2	2	9.0	11.5	87	6
04	150	5	5	4.0	6.0	115	2	2	10.0	11.5	88	3
05	151	4	4	5.0	6.5	117	2	2	9.0	10.0	87	4
06	150	6	4	5.0	6.5	115	0	2	10.0	13.0	87	4
07	152	3	5	4.5	6.5	115	2	2	8.0	10.0	87	3
08	152	2	4	5.0	6.5	115	2	0	9.0	11.0	89	2
09	152	2	6	4.5	6.0	115	2	2	7.5	10.0	89	3
10	150	5	5	5.5	7.0	115	2	2	9.0	11.0	89	5
11	152	2	6	5.5	7.0	115	3	2	7.5	10.0	89	4
12	152	3	5	6.0	8.0	115	2	2	8.0	10.0	89	8
13	152	3	3	5.0	6.0	117	0	2	8.0	10.0	89	6
14	152	4	4	5.0	6.0	117	2	2	9.0	12.0	89	5
15	152	4	7	5.5	8.0	117	2	4	8.5	10.5	89	6
16	152	4	2	5.5	7.5	117	2	2	9.0	12.0	89	9
17	152	4	8	6.0	8.0	117	2	2	9.0	12.0	87	6
18	152	2	7	5.5	7.0	117	3	2	10.0	12.0	87	6
19	152	4	8	5.5	7.0	117	2	2	10.0	12.0	87	8
20	152	4	10	5.0	6.0	117	2	2	10.0	12.0	87	6
21	151	3	8	6.0	7.0	117	4	2	8.5	11.0	87	6
22	151	5	5	5.5	7.5	117	2	2	9.0	12.5	87	4
23	150	4	4	5.0	7.0	117	2	0	9.0	11.0	86	5

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland

Lat. 76.6N Long. 68.7W

Month August

1962

[illegible]

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

 D_{10} = ratio of upper decile to median in db

D_9 = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0N Long. 79.5W Season Summer (June July Aug.) 1962

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	
.013	166	5	4	10.0	15.0	166	5	6	11.0	17.0	163	5	5	12.5	18.0	165	6	3	7.5	12.0	14.0	165	5	3	9.0	14.0	165	5	3	9.0	14.0
.051	146	5	6	8.5	12.5	145	7	9	10.0	16.5	139	9	9	12.5	18.0	141	11	7	11.0	16.0	141	10	6	9.5	14.0	143	6	4	7.5	12.0	
.160	127	5	6	7.5	12.5	125	8	9	10.0	17.0	120	10	16	12.0	19.5	124	11	15	12.0	19.0	120	12	8	9.5	16.0	123	6	5	7.5	11.0	
.495	104	7	6	6.5	11.5	100	10	12	8.5	15.0	94	14	13	10.5	17.0	101	14	16	12.0	19.0	98	13	9	8.0	14.0	102	6	5	6.5	10.5	
2.5	73	4	4	4.5	8.0	70	6	6	7.0	12.5	51	15	13	9.0	14.5	54	21	17	9.5	15.0	64	14	10	8.0	13.0	71	4	5	5.0	8.5	
5	64	4	3	4.0	7.0	60	5	4	5.5	9.5	46	11	6	7.5	11.5	48	17	9	7.5	12.0	61	8	6	5.0	7.5	64	3	3	2.5	5.5	
10	48	7	5	3.5	5.5	46	6	6	3.0	5.5	40	4	5	4.5	7.0	44	9	5	5.5	9.0	53	4	4	3.0	5.5	52	5	6	3.0	4.5	
20	27	7	4	2.0	3.0	27	7	5	2.5	4.0	27	6	4	3.5	5.0	31	9	5	4.5	7.0	32	6	5	3.5	5.0	27	6	4	2.5	3.5	

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Season Summer(*** June Aug.) 19 62

TIME BLOCKS (LST)																																			
0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
Frequency (Mc)	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}					
.013	164			9.5	16.0	160			10.5	18.0	161			12.0	18.5	167			7.0	12.5	168	6	3	6.5	11.0	167	7	5	8.5	14.5					
.051	142			4.5	8.5	135			5.0	9.0	137			5.0	9.0	143			6.5	10.0	145	8	8	6.0	10.0	144	7	5	6.5	10.0					
.160	117			2.0	13.0	105			11.0	19.0	107			12.5	19.5	121	18	16	9.0	15.5	124	10	12	7.0	12.0	121	10	6	6.0	10.5					
.495	98			6.0	12.5	72			8.0	12.0	79			8.5	14.0	96	26	24	7.5	13.0	100	8	21	7.0	12.5	102	6	6	5.0	10.0					
2.5	76			4.0	8.0	54			5.5	10.0	34			5.0	8.5	54	26	20	6.0	10.0	65	15	7	4.5	8.0	79	4	6	3.0	6.0					
5	60			4.0	7.0	51			4.5	8.5	38			7.0	10.5	48	23	3	4.0	8.0	61	11	3	2.5	5.0	67	4	4	3.0	6.0					
10	39			2.0	3.5	43			3.0	5.0	40			5.5	8.5	46	10	3	3.5	6.0	56	6	2	2.0	4.0	50	4	8	3.0	5.0					
* *	25			1.0	2.0	24			1.5	3.0	24			1.5	3.0	25	20	4	2.0	3.5	26	9	3	2.0	3.5	25	2	4	1.0	2.5					

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

* * No June or July Data

* * * No June Data

LOCUM-H&S-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Season Summer (June July Aug.) 1962

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400				0400-0800				0800-1200				1200-1600				1600-2000				2000-2400									
	F _{om}	D _l	V _{dm}	L _{dm}	F _{om}	D _l	V _{dm}	L _{dm}	F _{om}	D _l	V _{dm}	L _{dm}	F _{om}	D _l	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	164	3	9.5	15.5	161	4	4	11.5	18.0	161	3	3	10.5	17.5	169	4	4	7.5	13.0	169	4	4	7.5	12.0	167	4	4	8.5	13.5	
.051	142	4	6	6.5	133	6	5	8.5	13.5	134	6	5	8.5	14.0	145	8	8	7.0	12.5	147	6	7	7.0	11.5	145	5	5	6.0	11.0	
.160	120	5	7	7.0	120	9	9	13	11.5	18.0	105	10	13	10.5	17.5	123	11	15	9.0	14.5	127	7	9	7.0	12.0	124	5	7	5.5	10.0
.495	98	5	6	6.0	12.0	75	13	8	7.5	14.0	78	16	10	8.0	13.5	106	12	22	9.0	11.5	108	8	13	7.0	12.5	105	5	7	4.5	8.5
2.5	74	4	6	4.5	8.5	55	6	5	3.5	6.5	48	8	5	2.5	4.5	64	15	14	5.5	10.5	69	10	11	5.0	8.5	77	3	5	3.5	7.0
5	62	5	5	4.5	8.0	52	5	6	4.0	8.0	43	6	4	3.0	4.5	52	12	9	4.5	8.0	62	6	6	3.5	6.0	67	4	6	3.5	7.0
10	41	7	8	3.0	5.5	40	5	4	4.0	7.0	38	6	4	5.0	7.5	46	9	4	3.5	6.5	53	4	3	2.5	4.5	52	6	8	2.0	4.5
20	24	2	2	1.5	3.5	24	2	2	2.0	3.5	27	7	3	2.5	5.5	31	4	5	4.5	7.0	31	6	4	3.5	5.0	26	4	3	2.5	3.5

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

D_l = ratio of upper decile to median in db

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

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

F_{om} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Season Winter (June July Aug.) 1962

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400			0400-0800			0800-1200			1200-1600			1600-2000			2000-2400		
	F _{am}	D _l	V _{dm}	F _{am}	D _l	V _{dm}	F _{am}	D _l	V _{dm}	F _{am}	D _l	V _{dm}	F _{am}	D _l	V _{dm}	F _{am}	D _l	V _{dm}
.013	155	2	8.0	154	2	8.0	150	3	10.5	150	3	12.0	151	3	8.5	154	3	2
.051	126	3	9.0	124	3	8.5	107	6	11.5	108	9	12.0	112	10	10.5	122	5	4
.160	101	5	7.5	93	6	8.0	63	14	7.0	65	14	7.0	84	14	11.5	98	8	6
.545	81	6	7.0	68	8	6.0	46	9	3.5	48	9	6	70	11	6.0	81	8	6
2.5	52	6	4	46	7	5	17	8	2	16	9	2	35	15	7.5	51	10	4
5	51	6	4	49	5	4.5	22	9	6	19	11	4	42	10	6.5	52	7	4
10	37	5	4	34	6	3.5	28	6	5	29	6	5	41	6	4	40	5	4
20	23	0	0	22	1	3.5	22	2	1	23	2	2	23	1	1	23	0	2

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

D_l = ratio of upper decile to median in db

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

F_{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 Enköping, Sweden Lat. 59.5N Long. 17.3E Season Summer(June July Aug.) 19 62

TIME BLOCKS (LST)																																			
0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
Frequency (Mc)	F _{am}	D _u	D _l	V _d m	L _d m	F _{am}	D _u	D _l	V _d m	L _d m	F _{am}	D _u	D _l	V _d m	L _d m	F _{am}	D _u	D _l	V _d m	L _d m	F _{am}	D _u	D _l	V _d m	L _d m	F _{am}	D _u	D _l	V _d m	L _d m					
.013	154	3	3	8.5	14.5	151	4	3	10.5	17.0	158	4	4	9.5	15.5	156	4	4	8.0	13.5	154	4	4	7.5	13.0										
.051	123	7	7	9.5	15.5	116	9	8	12.5	20.0	122	6	7	12.5	20.5	128	5	5	6	10.0	17.0	126	6	7	9.5	15.0	126	6	8	8.0	14.5				
.160	103	6	6	4.5	10.0	81	12	6	7.0	11.0	88	9	6	8.0	13.0	95	12	10	9.5	15.0	93	11	10	8.0	14.0	104	5	7	5.0	9.5					
.495	70	9	6	4.5	8.5	52	8	4	4.0	6.5	57	13	6	6.5	10.5	61	18	8	10.0	15.5	62	12	6	6.0	9.5	79	8	8	4.0	7.0					
.25-	61	7	8	6.0	10.5	38	9	6	7.0	11.5	32	5	5	6.0	9.5	33	9	5	7.5	11.0	42	8	6	5.0	9.5	61	8	7	5.0	9.0					
5	54	5	6	4.0	8.0	40	7	4	4.0	7.5	34	7	5	6.0	9.5	37	8	7	7.0	11.0	48	6	6	4.5	8.0	59	5	6	3.5	7.0					
10	44	7	7	2.5	5.0	43	6	5	3.5	6.5	41	4	5	7.5	11.0	45	6	6	6.0	11.0	48	7	5	4.5	8.5	48	15	7	3.5	7.0					
20	18	3	2	1.5	3.0	18	4	2	1.5	3.0	19	4	3	2.0	4.0	21	5	3	2.0	4.0	19	4	2	1.5	3.0										

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

D_u = ratio of upper decile to median in db

D_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

U.S. NAVY - 105-2

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2W Season Summer (June July Aug.) 1962

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	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-	115	5	6			104	9	7			98	11	8				110	18	11			115	8	5							
.500	89	6	6			69	11	6			62	11	4				73	27	12			87	10	6							
2.5-	73	5	6			52	9	6			30	7	3				51	22	10			72	7	6							
5-	65	4	5			53	6	4			37	6	4				56	10	7			67	6	4							
10	40	4	4			41	4	4			38	4	3				48	4	3			48	4	4							
20	23	0	0			23	1	0			23	2	1				27	4	2			25	2	1							

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

D_u = ratio of upper decile to median in db

 D_L = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0N Long. 159.7W Season Summer (June July Aug.) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400				0400-0800				0800-1200				1200-1600				1600-2000				2000-2400									
	F _{am}	D _l	V _{dm}	L _{dm}	F _{am}	D _l	V _{dm}	L _{dm}	F _{am}	D _l	V _{dm}	L _{dm}	F _{am}	D _l	V _{dm}	L _{dm}	F _{am}	D _l	V _{dm}	L _{dm}	F _{am}	D _l	V _{dm}	L _{dm}	F _{am}	D _l	V _{dm}	L _{dm}		
.013	155	2	90	155	154	3	120	190	157	4	3	100	160	157	3	2	85	140	149	2	2	95	155	151	2	2	75	130		
.051	127	4	110	170	125	5	130	205	111	11	6	115	170	111	9	4	100	150	108	6	4	75	120	122	4	4	80	130		
.160	102	6	7	110	190	91	13	8	135	220	76	19	8	135	220	71	14	5	115	185	75	10	4	65	115	97	6	5	80	135
.495	80	8	11	125	220	68	14	8	120	195	52	16	4	65	95	50	9	2	60	95	54	8	4	50	85	74	9	7	95	160
* *	56	6	6	70	110	53	6	6	75	110	34	5	3	30	50	32	6	3	25	45	36	6	3	30	45	54	6	6	65	100
* *	59	7	6	55	100	46	5	4	60	90	26	6	4	35	55	23	7	4	40	65	35	7	5	45	75	52	3	4	35	70
* *	42	5	4	40	60	34	4	3	35	55	22	5	3	40	60	20	6	4	35	55	42	6	6	25	45	45	6	5	35	55
* *	24	1	1	15	30	23	2	1	20	35	21	2	1	20	35	22	2	1	20	40	25	3	1	25	40	25	1	1	20	35

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

D_l = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

* * No August Data for Log and Voltage

USCNAV-REP-51

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Winter (Dec. *** Feb.) 1961-62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400			0400-0800			0800-1200			1200-1600			1600-2000			2000-2400				
	F _{am}	D _u	L _{dm}	F _{am}	D _u	L _{dm}	F _{am}	D _u	L _{dm}	F _{am}	D _u	L _{dm}	F _{am}	D _u	L _{dm}	F _{am}	D _u	L _{dm}		
++*	153	5	2	100	145	152	3	3	95	160	148	3	4	105	175	152	10	4	105	135
++*	130	11	3	120	160	124	10	5	110	160	108	20	8	110	125	117	19	14	115	175
++*	107	14	5	90	140	97	16	6	100	140	84	22	12	90	90	95	23	19	115	160
+	83	13	9	55	125	72	17	9	45	85	66	21	6	40	40	70	34	8	45	90
+	60	9	7	60	95	53	12	4	40	60	42	6	5	30	55	42	20	4	30	50
+	58	6	4	40	70	52	4	5	35	60	39	7	4	40	60	40	18	6	40	60
+	39	7	4	35	55	37	5	4	25	35	38	5	3	30	50	39	21	4	70	90
+	24	3	2	20	30	24	3	2	20	40	26	5	4	30	45	28	5	4	45	75
+	20																			

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

D_u = ratio of upper decile to median in db

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

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

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

++* No January Data

+ No December or January data for D_u and D_e or for L_{dm} and V_{dm} on high frequencies

Correction: The frequency on RN-13 for February 1962 should be .495 instead of .545.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8N Long. 77.3E Season Spring (Mar. Apr. May) 19 62

TIME BLOCKS (LST)														
0000-0400					0400-0800					0800-1200				
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
0.13	154	4	3	10.5 13.5	152	4	4	12.0 18.0	150	5	5	14.0 20.0	154	5
0.51	136	6	4	11.0 16.5	127	11	5	11.0 17.5	123	10	9	14.5 20.0	130	10
1.60	115	8	6	10.0 15.5	104	16	9	11.5 17.5	96	17	8	9.5 17.5	107	14
4.95	94	10	9	9.5 14.5	77	21	7	5.5 9.0	72	20	7	4.0 9.5	83	18
25.5	67	7	12	6.0 10.0	56	12	9	4.5 7.0	46	10	8	2.0 4.0	47	11
5	56	6	7	4.5 7.0	49	6	8	3.5 6.0	38	9	7	3.0 4.5	38	9
10	44	6	6	4.0 6.5	42	5	7	2.5 5.0	38	9	7	4.0 7.0	43	7
20	24	3	4	2.0 3.5	24	5	4	2.0 4.0	25	7	3	4.0 6.0	28	8

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

* † No April Data

USCMA-NS-1-E

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8N Long. 77.3E Season Summer (*** Aug.) 1962

Frequency (Mc)	TIME BLOCKS (LST)											
	0000-0400			0400-0800			0800-1200			1200-1600		
	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{om}	D _u
.013	153	6	4	8.0	12.0	152	5	4	9.0	13.5	148	7
.051	137	8	7	6.5	10.5	129	10	8	10.0	15.0	119	18
.160	118	9	10	7.5	12.0	108	14	16	11.0	17.0	93	32
.495	98	13	15	6.5	11.5	84	18	13	11.0	17.0	73	31
2.5	66	13	10	6.0	8.0	58	16	11	4.5	6.5	46	11
5	58	8	7	4.0	6.0	52	10	6	4.5	5.5	44	14
10	42	5	3	4.0	5.0	40	6	4	3.0	3.5	38	8
20	29	2	4	2.0	3.5	28	4	4	2.0	2.5	27	7

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

*** No June or July Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.85 Long. 28.3E Season Winter (June July Aug.) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400										
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	
.013	142	6	4			141	6	4			136	10	4			140	7	5			142	6	6				142	5	4							
.051	127	11	8			122	15	6			113	17	11			118	11	8			121	11	9				126	11	8							
.160	104	12	9			90	18	8			75	24	6			77	23	9			90	13	13				102	14	10							
.495	89	12	7			78	19	11			84	10	26			85	9	28			82	21	14				91	11	10							
2.5	66	12	7			60	12	7			50	3	4			48	3	5			56	11	6				65	10	6							
5	56	9	6			53	9	6			45	6	5			43	7	9			53	10	7				56	10	5							
10	32	5	3			32	6	4			30	16	5			32	14	6			40	6	4				35	5	4							
20	22	1	2			22	2	2			23	2	2			23	2	2			23	2	2				22	1	1							

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9N Long. 6.8W Season Summer (June July Aug.) 19 62

TIME BLOCKS (LST)																																			
0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
Frequency (Mc)	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}					
.013	151	5	6			150	6	6			148	4	4			151	4	6				151	4	6			151	4	6						
.051	129	6	8			121	6	10			116	6	8			125	6	11				125	8	9			128	7	7						
.160	113	6	11			92	8	9			90	8	8			98	12	12				101	15	14			110	6	9						
.495	84	6	9			63	8	6			56	15	4			66	23	12				72	21	11			86	7	7						
2.5	59	6	17			52	6	11			40	9	8			39	8	8				46	8	9			60	8	10						
5	56	9	14			45	8	9			28	9	7			28	8	7				44	10	8			56	9	11						
10	44	6	7			41	6	6			34	23	7			33	11	6				44	9	7			46	10	7						
20	24	3	4			24	4	6			24	7	5			27	4	6				30	6	6			26	3	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3S Long. 45.8W Season Summer (Dec. Jan. Feb.) 1961-62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F _{am}	D _U	D _L	V _{dm}	L _{dm}	F _{am}	D _U	D _L	V _{dm}	L _{dm}	F _{am}	D _U	D _L	V _{dm}	L _{dm}	F _{am}	D _U	D _L	V _{dm}	L _{dm}	F _{am}	D _U	D _L	V _{dm}	L _{dm}	F _{am}	D _U	D _L	V _{dm}	L _{dm}
** .05-1	129	7	5	7.5	11.0	123	8	9	9.0	14.5	119	9	10	11.5	18.0	133	15	8	11.0	15.5	138	11	9	8.5	12.0	133	10	6	8.0	11.0
** .1-1.3	110	10	6	7.0	10.5	96	14	11	7.0	10.0	93	13	10	9.0	11.0	111	16	13	10.0	14.0	115	11	11	9.0	13.0	112	9	7	7.0	10.0
* .2-4.6	94	8	10	8.0	12.0	75	15	12	8.5	13.0	73	25	10	10.0	14.5	96	17	23	9.5	15.0	97	13	15	9.5	14.5	98	9	8	8.5	9.5
* .5-4.5	86	9	5	8.0	11.5	85	7	7	5.0	6.0	88	8	6	3.0	4.0	93	13	8	6.0	7.0	91	11	6	4.0	4.5	92	7	7	5.5	8.0
** 2.5-	61	8	6	10.5	17.5	49	9	9	9.0	15.5	34	13	7	7.5	10.0	50	21	16	13.0	22.0	61	11	10	11.0	18.0	65	6	5	9.0	14.5
** 5-	59	5	5	10.0	16.0	53	8	8	10.0	17.0	38	13	8	11.0	15.5	46	16	10	12.0	19.0	59	6	7	8.0	12.0	64	4	6	8.0	12.5
** 10	46	6	5	9.0	13.0	45	10	10	8.0	12.0	39	10	12	9.0	15.0	44	6	8	8.5	13.0	49	4	6	7.5	11.5	48	6	4	8.0	12.5
** 20	28	3	3	6.0	7.0	29	9	4	5.0	7.0	29	9	4	6.0	8.5	33	9	7	8.0	12.5	34	6	6	7.0	10.0	30	7	4	5.5	7.0

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

D_U = ratio of upper decile to median in db

D_L = ratio of median to lower decile in db

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

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

* * * No February data for log and voltage

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

14-52000-100-10

RN-14

Station Singapore, Malaya Lat. 1.3N Long. 103.8E
Season Winter (Dec. Jan. Feb.) 1961-62

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

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

DR = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3N Long. 103.8E Season Spring (Mar Apr May) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{om}	D _u	D _l	V _{dm}	L _{dm}	F _{om}	D _u	D _l	V _{dm}	L _{dm}
.013	160	6	4	10.5	16.0	159	5	5	11.5	18.5	156	6	5	14.0	21.5	161	8	5	12.0	19.5	162	5	5	10.0	16.0	159	6	4	9.5	15.0
.051	141	6	5	10.0	16.5	136	7	6	12.0	20.0	130	8	9	15.5	24.5	137	11	8	13.0	21.5	141	6	7	11.0	19.5	140	6	5	10.0	17.0
.160	122	6	5	9.5	17.0	114	10	9	13.5	22.5	106	14	13	15.0	25.5	119	15	13	13.5	23.0	121	7	8	10.5	19.0	121	7	4	9.0	16.0
.545	94	7	6	8.0	15.5	83	12	12	11.5	21.5	73	23	12	11.0	19.5	94	16	17	13.0	24.0	95	8	9	9.0	17.0	95	6	6	8.0	14.5
2.5	64	5	6	7.0	13.0	59	6	7	9.0	15.0	33	13	6	8.5	13.5	43	27	10	9.5	15.5	59	10	8	6.5	12.5	64	4	5	5.5	10.5
5	60	4	4	5.0	9.0	54	6	5	6.5	11.0	34	10	6	9.5	14.0	42	19	8	8.5	14.0	58	5	5	5.5	10.0	61	4	4	4.0	8.0
10	47	6	5	5.0	9.0	42	7	5	5.0	8.0	35	7	7	9.0	14.0	40	10	5	8.0	13.0	48	8	3	4.5	8.0	50	9	3	4.0	8.0
20	24	3	1	2.5	4.5	24	3	1	2.5	4.5	22	4	2	3.5	6.0	27	11	4	5.0	8.0	29	4	3	4.0	7.0	28	5	2	3.5	6.0

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6N Long. 68.7W Season Spring (Mar. Apr. May) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400				0400-0800				0800-1200				1200-1600				1600-2000				2000-2400			
	F _{am}	D _u	D _l	V _{dm} ^{**}	F _{am}	D _u	D _l	V _{dm} ^{**}	F _{am}	D _u	D _l	V _{dm} ^{**}	F _{am}	D _u	D _l	V _{dm} ^{**}	F _{am}	D _u	D _l	V _{dm} ^{**}	F _{am}	D _u	D _l	V _{dm} ^{**}
.013	163	4	3	4.5 6.5	161	3	3	4.0 6.0	162	4	4	4.0 6.0	161	4	4		162	4	6	3.5 5.5	163	4	4	4.5 6.5
.051	118	4	2	5.5 7.5	117	4	2	6.0 8.0	117	2	2	6.5 8.5	117	3	2		117	4	2	5.0 7.0	117	4	2	5.0 7.5
.160	86	5	4	5.0 7.0	87	5	4	5.0 7.0	87	8	6	5.0 7.0	87	6	4		88	7	4	5.5 7.0	87	6	4	5.0 7.0
*** .495	67	6	6	5.0 7.0	68	8	6	5.5 8.0	70	6	9	6.5 9.0	70	7	8		67	8	6	5.0 6.5	65	10	5	5.5 7.5
2.5	42	10	6		42	9	2		41	5	7		42				40	12	5		40	9	5	
5	39	5	5		37	7	4		34	6	5		33	4	5		36	12	6		40	6	4	
10	26	8	5		25	5	4		21	8	4		24	6	5		31	9	9		32	9	7	
** 20	27	2	0		28	2	1		28	3	2		28	2	0		29	2	0		28	2	0	

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

* * * No April Data

* * * * No March or April Data

USCNAV 1612-10

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6N Long. 68.7W Season Summer (June July Aug.) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400							
	F _{om}	D _u	D _l	V _d m	L _d m		F _{om}	D _u	D _l	V _d m	L _d m		F _{om}	D _u	D _l	V _d m	L _d m		F _{om}	D _u	D _l	V _d m	L _d m		F _{om}	D _u	D _l	V _d m	L _d m		F _{om}	D _u	D _l	V _d m	L _d m			
.013	150	3	4	6.0	8.5		149	4	3	6.0	8.5		149	3	4	6.0	8.0	149	3	3	6.0	8.0	150	3	4	6.0	8.5	150	3	4	6.0	8.5		150	3	4	6.0	8.5
.051	116	3	2	10.0	13.0		116	2	3	10.0	13.0		115	2	2	9.5	12.0	116	2	3	9.0	12.0	116	2	2	9.5	12.5	116	3	1	9.5	13.0		116	3	1	9.5	13.0
.160	87	6	5	7.0	10.0		88	4	6	7.5	9.5		89	4	6	7.0	9.0	89	6	6	7.5	9.5	88	6	6	7.0	9.0	87	4	5	7.0	9.5		87	4	5	7.0	9.5
.495	70	3	4	7.0	9.5		70	2	4	7.0	9.5		72	2	5	7.0	9.5	71	3	5	7.0	10.0	70	3	5	7.0	9.5	69	3	4	7.0	9.0		70	3	4	7.0	9.0
2.5	40	10	6				40	10	6				42	11	7			40	13	6			39	10	7			39	10	6				39	10	6		
5	35	6	6				26	9	4				25	11	5			24	13	4			25	8	5			25	8	6				25	8	6		
10	25	7	6				20	5	4				17	5	3			19	6	3			24	5	4			29	7	6				29	7	6		
20	25	4	2				26	4	1				26	5	2			26	6	2			26	11	2			26	6	2				26	6	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 overage voltage in db below mean power

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

12-5200-103-6

RN-14

U.S. DEPARTMENT OF COMMERCE

Richard H. Holloman, Secretary

NATIONAL BUREAU OF STANDARDS

A. N. Acheson, Director



THE NATIONAL BUREAU OF STANDARDS

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

WASHINGTON, D. C.

Electricity, Resistance and Reactance, Electrochemistry, Electrical Instruments, Magnetic Measurements, Magnetism, High Voltage.

Optics, Photography and Colorimetry, Refractometry, Photographic Research, Length, Engineering Metrology, Mass and Scale, Volumetry and Densimetry.

Heat, Temperature Physics, Heat Measurements, Cryogenic Physics, Equation of State, Statistical Physics, Radiation Physics, X-ray, Radioactivity, Radiation Theory, High Energy Radiation, Radiological Equipment, Thermometry, Instrumentation, Neutron Physics.

Chemical and Inorganic Chemistry, Pure Substances, Spectrochemistry, Solution Chemistry, Standard Reference Materials, Applied Analytical Research, Crystal Chemistry.

Mechanics, Sound, Pressure and Vacuum, Fluid Mechanics, Engineering Mechanics, Rheology, Combustion Chemistry.

Polymers, Macromolecules, Synthesis and Structure, Polymer Chemistry, Polymer Physics, Polymer Characterization, Polymer Evaluation and Testing, Applied Polymer Standards and Research, Dental Research.

Metalurgy, Engineering Metallurgy, Microscopy and Diffraction, Metal Reactions, Metal Physics, Electrolysis and Metal Deposition.

Inorganic Solids, Engineering Ceramics, Glass, Solid State Chemistry, Crystal Growth, Physical Properties, Crystallography.

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

Applied Mathematics, Numerical Analysis, Computation, Statistical Engineering, Mathematical Physics, Operations Research.

Computer Processing Systems, Components and Techniques, Computer Technology, Measurements Automation, Electronic Applications, Systems Analysis.

Atomic Physics, Spectroscopy, Infrared Spectroscopy, Far Ultraviolet Physics, Solid State Physics, Electron Optics, Atomic Physics, Plasma Spectroscopy.

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

Physical Chemistry, Thermochemistry, Surface Chemistry, Organic Chemistry, Molecular Spectroscopy, Elementary Processes, Mass Spectrometry, Photochemistry and Radiation Chemistry.

Office of Weights and Measures.

BOULDER, COLO.

Cryogenic Engineering Laboratory, Cryogenic Equipment, Cryogenic Processes, Properties of Materials, Cryogenic Technical Services.

CENTRAL RADIO PROPAGATION LABORATORY

Ionosphere Research and Propagation, Low Frequency and Very Low Frequency Research, Ionosphere Research, Prediction Services, Sun-Earth Relationships, Field Engineering, Radio Warning Services, Vertical Ionosphere Research.

Radio Propagation Engineering, Data Reduction Instrumentation, Radio Noise, Tropospheric Measurements, Tropospheric Analysis, Propagation-Terrain Effects, Radio-Meteorology, Lower Atmosphere Physics.

Radio Systems, Applied Electromagnetic Theory, High Frequency and Very High Frequency Research, Frequency Utilization, Modulation Research, Antenna Research, Radiodetermination.

Upper Atmosphere and Space Physics, Upper Atmosphere and Plasma Physics, High Latitude Ionosphere Research, Ionosphere and Exosphere Scatter, Airglow and Aurora, Ionospheric Radio Astronomy.

RADIO STANDARDS LABORATORY

Radio Physics, Radio Broadcast Service, Radio and Microwave Materials, Atomic Frequency and Time-Interval Research, Radio Plasma, Millimeter-Wave Research.

Radio Standards, High Frequency Electrical Standards, High Frequency Calibration Services, High Frequency Frequency Standards, Microwave Calibration Services, Microwave Circuit Standards, Low Frequency Calibration Services.

