◇ **NBS** ◇

Technical Note 18-16

QUARTERLY RADIO NOISE DATA
SEPTEMBER, OCTOBER, NOVEMBER 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

Functions and Activities

The functions of the National Bureau of Standards are set forth in the Act of Congress, March 3 1901, as amended by Congress in Public Law 619, 1950. These include the development and maintenance of the national standards of measurement and the provision of means and methods for making measurements consistent with these standards; the determination of physical constants and properties of materials; the development of methods and instruments for testing materials, devices, and structures; advisory services to government agencies on scientific and technical problems; invention and development of devices to serve special needs of the Government; and the development of standard practices, codes, and specifications. The work includes basic and applied research, development, engineering, instrumentation, testing, evaluation, calibration services, and various consultation and information services. Research projects are also performed for other government agencies when the work relates to and supplements the basic program of the Bureau or when the Bureau's unique competence is required. The scope of activities is suggested by the listing of divisions and sections on the inside of the back cover.

Publications

The results of the Bureau's research are published either in the Bureau's own series of publications or in the journals of professional and scientific societies. The Bureau publishes three periodicals available from the Government Printing Office: The Journal of Research, published in four separate sections, presents complete scientific and technical papers; the Technical News Bulletin presents summary and preliminary reports on work in progress; and the Central Radio Propagation Laboratory Ionospheric Predictions provides data for determining the best frequencies to use for radio communications throughout the world. There are also five series of nonperiodical publications: Monographs, Applied Mathematics Series, Handbooks, Miscellaneous Publications, and Technical Notes.

A complete listing of the Bureau's publications can be found in National Bureau of Standards Circular 460, Publications of the National Bureau of Standards, 1901 to June 1947 ($1.25), and the Supplement to National Bureau of Standards Circular 460, 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.

NATIONAL BUREAU OF STANDARDS

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NBS Boulder Laboratories
Boulder, Colorado
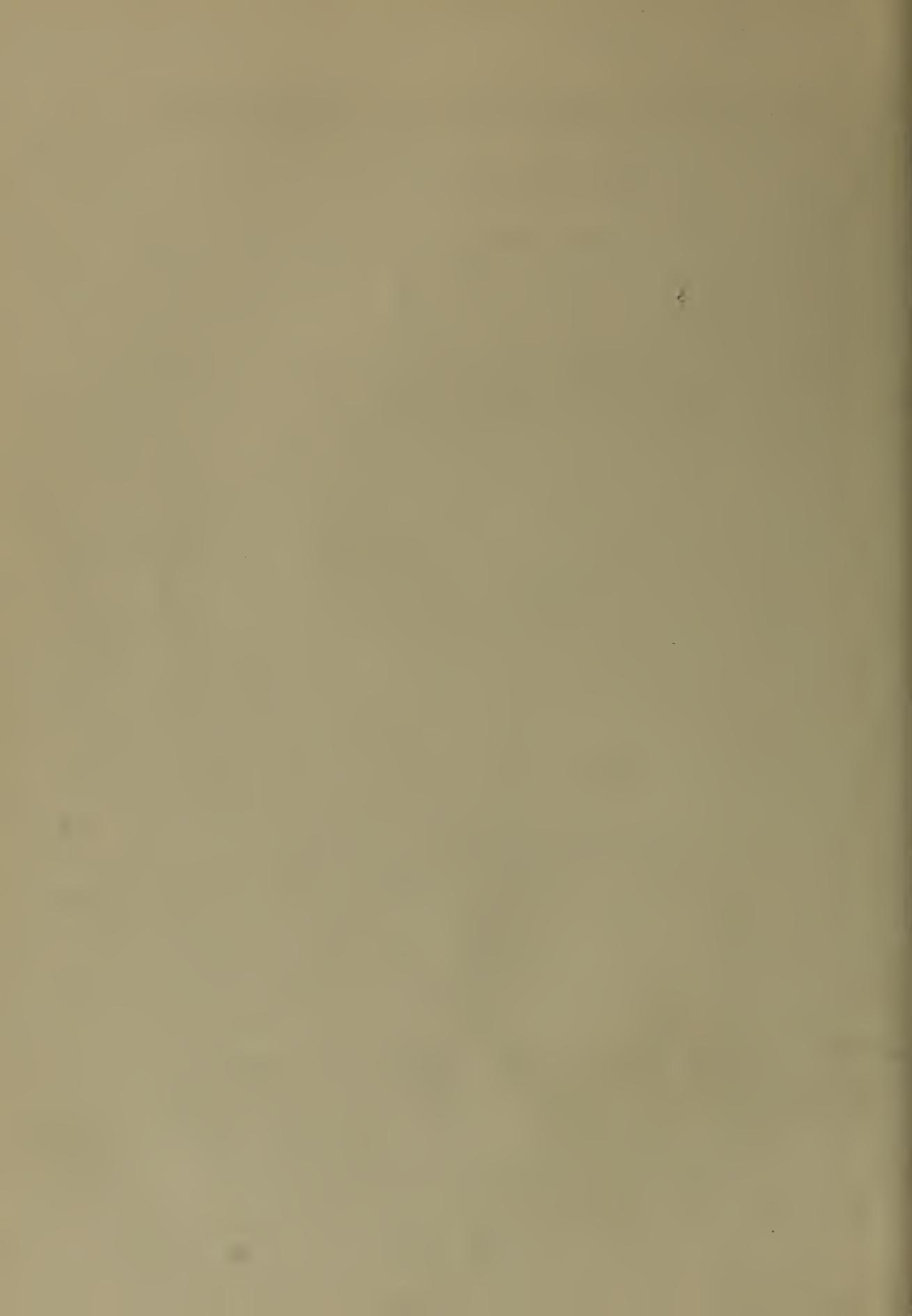
RADIO NOISE RECORDING STATION
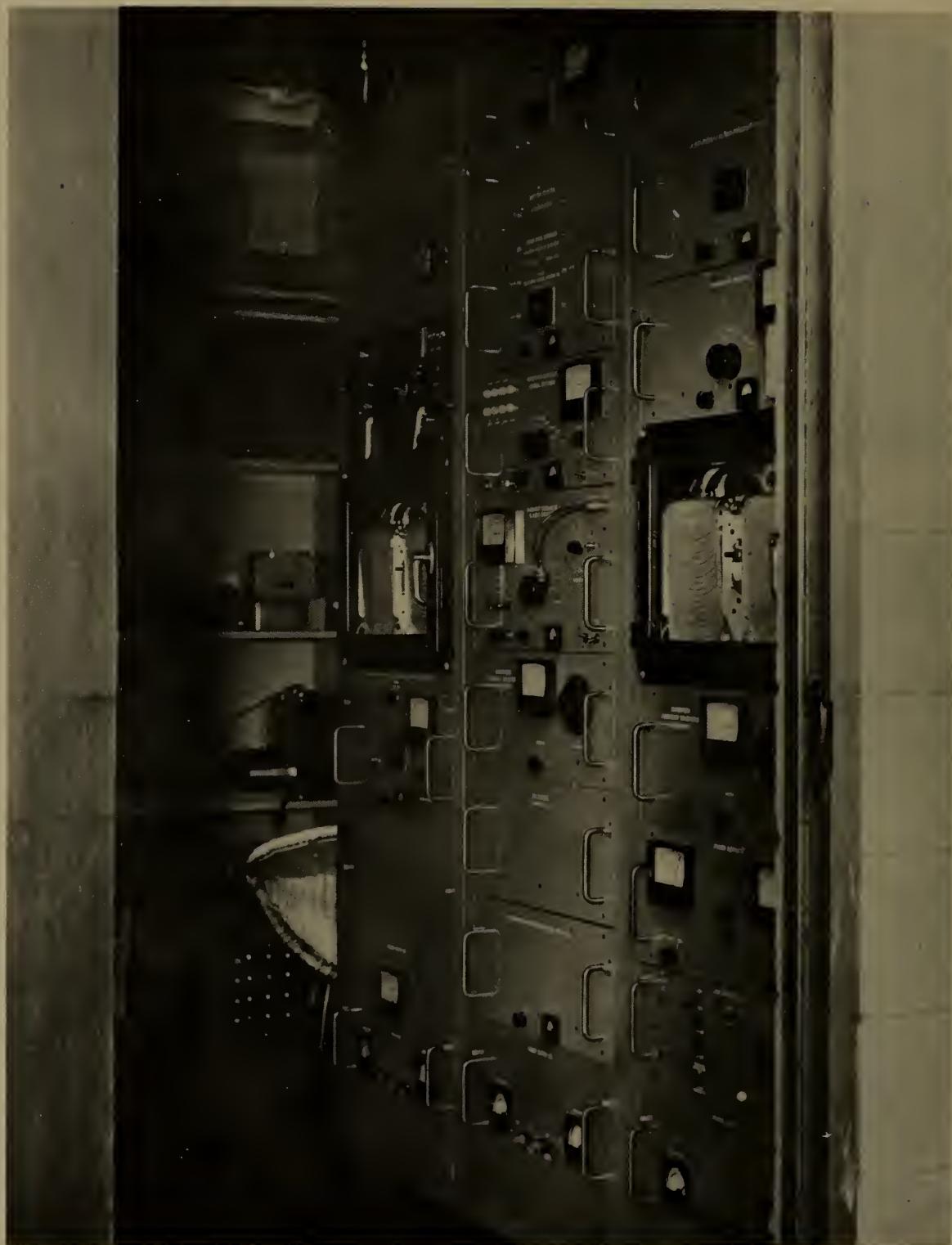
ARN-2 ATMOSPHERIC RADIO NOISE RECORDER

RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT

CRPL BASE MAP
MODIFIED CYLINDRICAL PROJECTION

THULE
ENKOPING
FRONT ROYAL
BILL
RABAT
IBADAN
PRETORIA
BALBOA
SÃO JOSE dos CAMPOS
BOULDER
KEKAHA
OHIRA
NEW DELHI
SINGAPORE
COOK
BYRD STATION
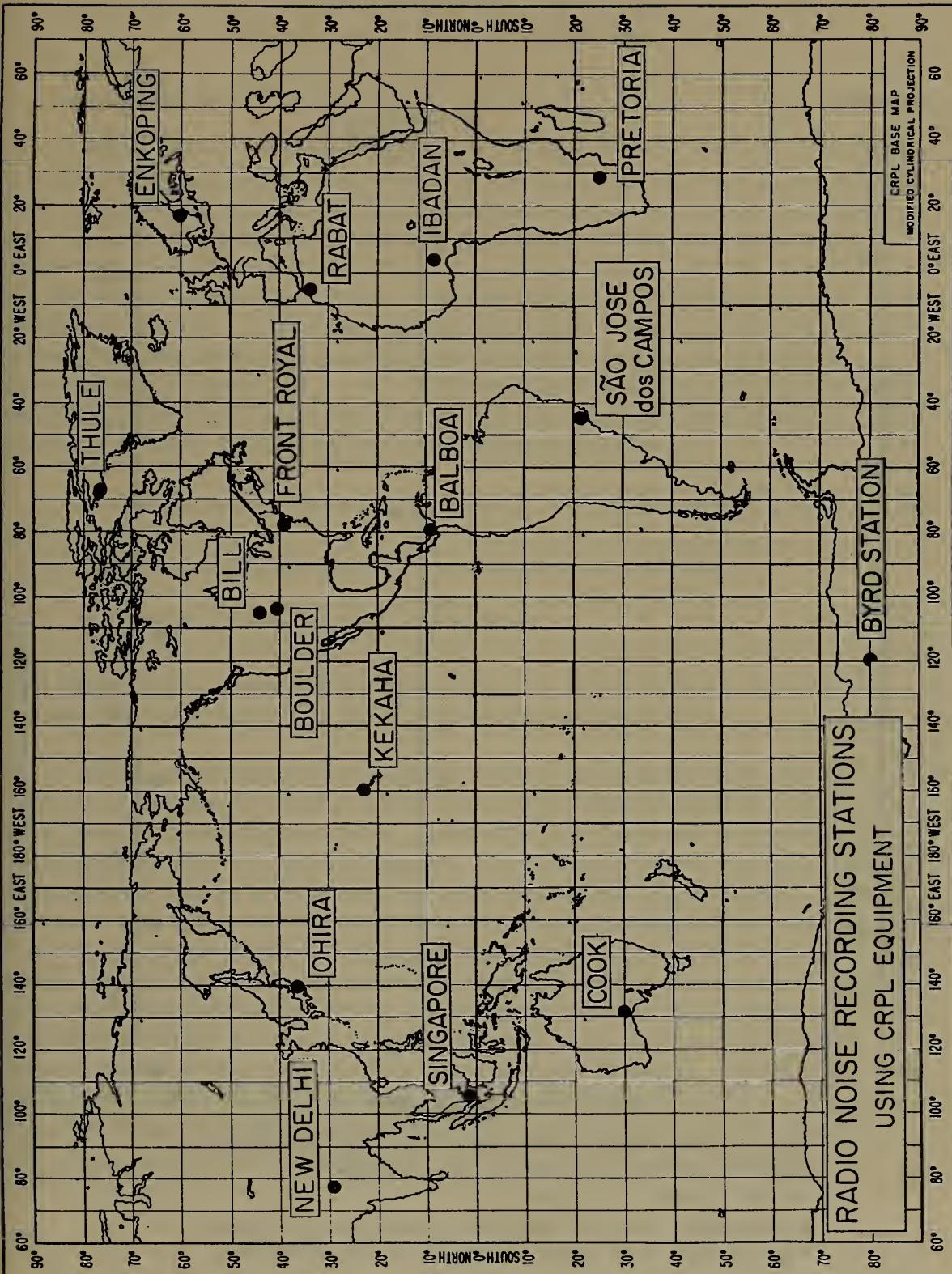
NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY
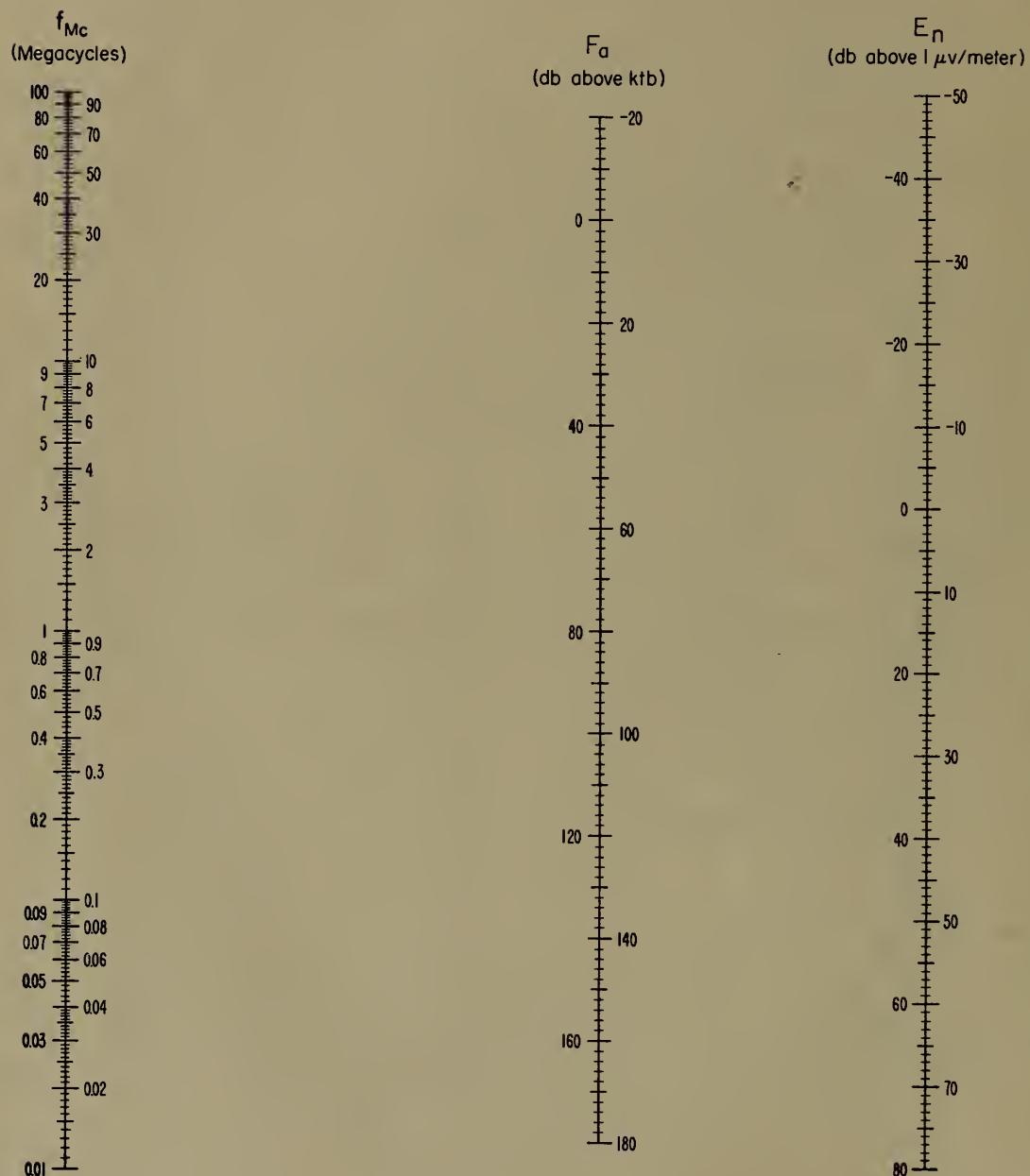
$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

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

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

f_{Mc} = Frequency in Megacycles.

Quarterly Radio Noise Data
September, October, November, 1962

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

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 September, October, November 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 x 10^{-23} joules per degree Kelvin)

t = Absolute room temperature (taken as 288 $^{\circ}$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 μv/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

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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). The data from the Floating Antarctic Research Vessel, USNS Eltanin, are grouped so that a block 10° in latitude by 15° in longitude is treated as a separate station. The station clock in this case is corrected to the LST at the center of the block. Because of this grouping, very few readings may be used to obtain the median values tabulated in some cases. If, during the month, fewer than ten readings are obtained for any one block, the decile values are not given. If less than three months data are used in the time block summaries, this fact is noted on the summary sheet. Because of the small sample size, some caution should be exercised when using these values.

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.

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

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

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

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

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

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 Cherifien (Morocco) - Rabat

Instituto Tecnologico de Aeronautica (Brazil) - São Jose dos Campos

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

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

4. A. D. Watt and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45,1, 55 (1957).

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

6. A. D. Watt and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45, 6, 787 (1957).

7. 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.

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).

12. A. D. Watt, "ELF Electric Fields from Thunderstorms," NBS J. of Research-D. Radio Propagation, 64D, 5, 425 (September-October 1960).

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

14. URSI Special Report No. 7, "The Measurement of Characteristics of Terrestrial Radio Noise," Elsevier Publishing Co. (1962).

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

16. A. D. Spaulding, W. Q. Crichlow, and C. J. Roubique, "Bandwidth Conversion of the Amplitude-Probability Distribution Function from the First Two Moments for Atmospheric Radio Noise," NBS J. of Research-D. Radio Propagation, 66D, 6, 713 (November-December 1962).

17. W. L. Taylor, "Radiation Field Characteristics of Lightning Discharges in the Band 1 kc/s to 100 kc/s," NBS J. Research-D. Radio Propagation, 67D, to be published (1963).

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	September, October, November	1962	75 W	+05
Bill	September, October, November	1962	105 W	+07
Boulder	September, October, November	1962	105 W	+07
Byrd Station	September, October, November	1962	120 W	-09
Cook	September, October, November	1962	135 E	-09
USNS Eltanin	April, May	1962		
	June, July, August	1962		
	September, October, November	1962		
Enkoping	September, October, November	1962	15 E	-01
Front Royal	September, October, November	1962	75 W	+05
Kekaha	September, October, November	1962	150 W	+10
New Delhi	September	1962	75 E	-05
Ohira	September, October, November	1962	135 E	-09
Pretoria	September, October, November	1962	30 E	-02
Rabat	September	1962	GMT	0
Singapore	June, July, August	1962	105 E	-07
	September, October, November	1962		
Thule	September	1962	75 W	+05
Warrensburg	September, October	1962	90 W	+06

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

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

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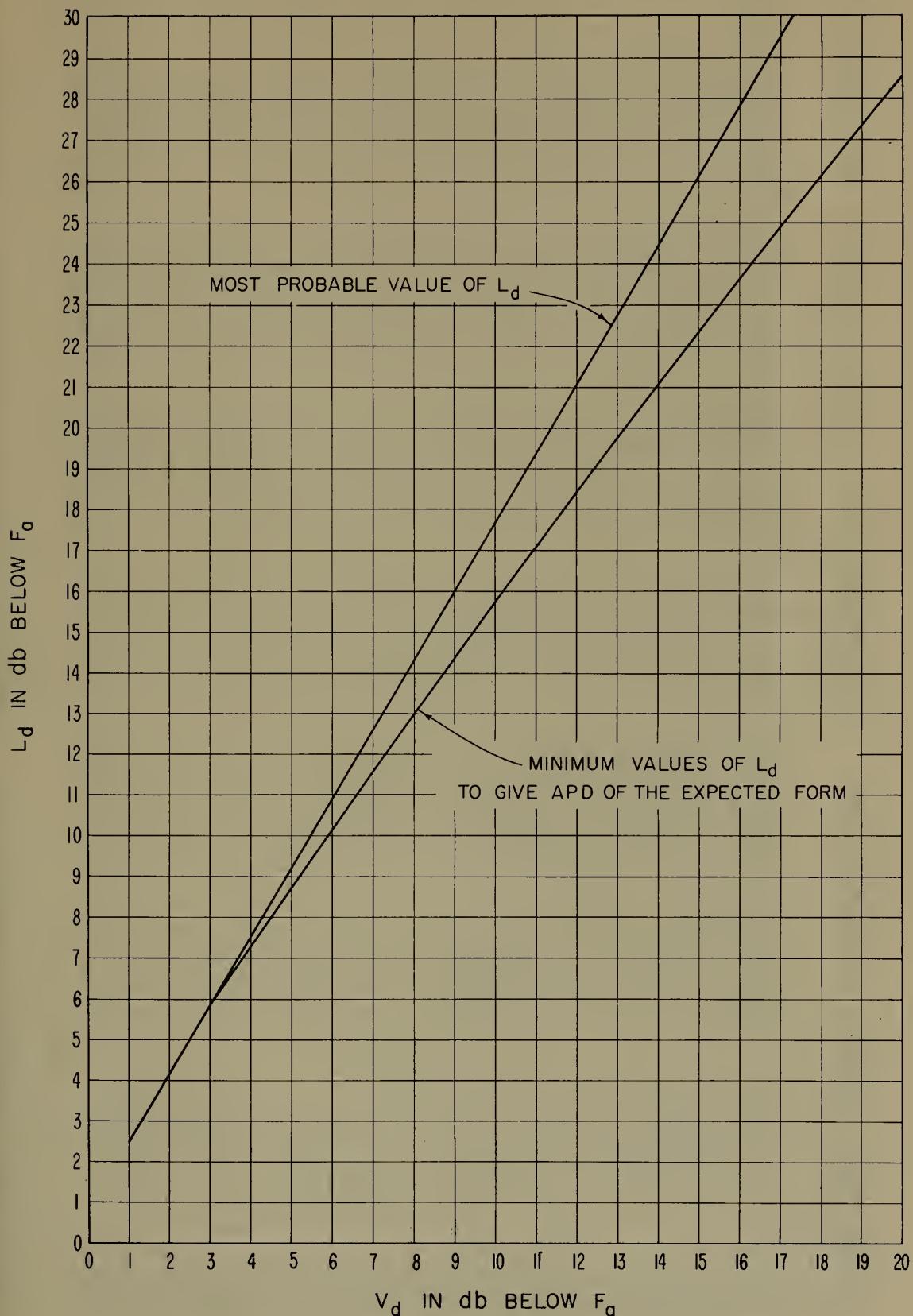
MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone   Lat. 9.0N   Long. 79.5W   Month September 1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fom	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fom	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	165	4	6	10.0	14.0	145	8	4	8.5	13.5	127	5	6	7.0	11.5	105	8	6	6.0	10.0	73	4	4	5.0	10.0	64	4	2	5.0	10.0	46	8	6	3.0	5.0	24	7	2	2.0	3.0
01	165	4	6	9.0	14.0	147	6	6	9.0	13.0	127	6	6	7.0	11.0	107	8	8	6.5	11.0	73	6	4	4.0	8.0	64	4	2	5.0	7.5	46	7	4	4.0	8.0	26	8	4	5.5	6.0
02	165	6	6	10.0	15.5	147	7	9	9.0	15.0	127	8	6	8.0	13.0	106	9	5	7.0	13.0	75	4	4	9.0	8.0	64	4	4	4.0	8.0	46	7	7	4.5	7.5	24	8	2	6.0	9.0
03	166	5	6	11.0	16.5	147	6	8	9.0	14.0	127	7	5	8.0	14.0	107	6	6	8.0	12.5	75	4	6	5.0	9.0	64	2	4	4.0	9.0	40	12	4	3.5	7.0	24	6	2	6.0	8.5
04	167	6	6	10.5	16.5	147	8	6	9.0	14.0	127	8	6	8.0	14.5	107	8	6	6.0	12.5	75	4	4	4.0	8.0	62	5	4	5.5	9.0	44	6	8	3.5	8.5	25	7	3	5.0	6.5
05	165	6	2	10.5	16.5	145	8	2	10.5	17.0	125	10	7	10.0	17.0	102	13	7	8.0	15.5	75	4	4	5.0	10.0	64	4	7	4.0	10.0	46	6	8	4.0	6.0	22	7	1	6.0	8.0
06	165	6	6	11.0	17.0	145	6	8	11.5	18.0	124	9	7	10.0	18.0	97	16	6	10.0	18.0	69	6	5	5.0	10.5	62	4	4	6.0	9.0	48	6	2	3.0	4.5	24	8	3	2.5	4.0
07	163	7	4	11.5	17.0	143	8	6	12.0	18.0	121	12	8	12.0	21.5	97	17	11	10.5	17.5	63	11	8	7.5	13.0	58	5	7	7.5	12.5	46	5	6	5.0	7.5	23	9	3	5.0	7.0
08	161	8	4	13.0	21.0	141	10	10	12.5	19.0	121	10	13	13.5	22.0	95	16	13	12.0	22.0	55	15	8	10.0	16.0	54	8	8	8.5	14.0	42	6	5	5.5	8.0	24	5	2	6.5	9.0
09	162	5	4	13.5	19.0	140	7	7	13.0	19.0	120	9	9	12.0	19.0	93	16	10	10.0	17.5	53	12	10	10.0	15.0	50	7	7	8.0	12.0	41	5	6	5.0	9.0	24	8	2	3.0	6.5
10	161	4	4	13.0	19.0	139	8	7	12.5	18.5	117	14	10	12.5	18.0	89	18	6	12.5	19.0	47	20	7	12.0	14.0	45	13	7	9.0	17.0	40	6	6	5.0	7.0	24	8	2	4.0	5.0
11	161	4	4	12.0	17.0	138	7	5	12.0	18.0	117	10	10	13.0	20.0	91	12	11	13.0	20.0	45	10	10	8.0	10.0	44	13	8	10.0	10.0	40	5	5	6.0	8.5	24	8	2	3.5	5.0
12	163	2	2	11.0	16.0	140	7	5	7.0	15.5	121	12	12	12.5	12.5	99	14	17	14.0	22.0	47	19	7	7.5	11.0	46	14	8	6.5	10.0	40	2	2	7.0	10.0	28	9	4	3.5	5.0
13	165	4	2	10.5	14.5	145	8	8	11.0	16.0	123	12	12	12.0	19.0	99	18	14	12.0	19.0	53	21	15	9.0	14.5	51	15	8	7.0	14.5	45	10	5	7.5	9.0	30	7	4	6.0	8.0
14	165	8	2	11.0	15.0	145	10	6	11.0	15.0	125	11	10	11.0	15.0	105	14	15	13.0	19.0	68	18	18	9.0	11.0	59	15	14	8.0	11.0	48	6	5	6.0	7.0	34	7	5	6.0	11.5
15	167	6	2	9.5	13.0	145	8	6	10.5	14.5	125	8	12	10.5	14.5	103	14	10	13.0	20.0	67	17	18	9.5	11.0	54	19	5	9.5	13.5	48	7	4	5.5	8.5	32	9	2	5.0	7.5
16	167	2	2	9.0	14.0	143	8	4	10.5	16.5	123	8	10	10.5	14.5	101	12	12	12.5	20.0	59	22	8	7.0	10.0	56	12	5	7.5	11.5	50	5	4	4.5	6.0	32	7	4	5.0	7.5
17	165	4	2	8.0	12.0	143	4	8	10.0	14.5	120	9	7	10.0	14.5	97	9	10	11.0	18.0	60	12	5	7.0	11.0	60	4	4	6.5	10.0	52	4	2	3.5	7.0	31	5	5	5.0	6.5
18	163	2	2	8.5	13.0	139	5	4	9.0	14.0	119	5	5	9.0	13.0	99	5	8	9.0	13.0	64	7	6	5.0	8.0	64	4	2	4.5	7.5	50	6	2	4.0	6.0	30	4	4	3.0	5.0
19	163	3	2	9.0	14.0	143	3	4	7.5	12.5	121	5	4	7.0	11.0	103	3	8	5.5	8.5	65	6	6	6.0	10.0	66	2	2	5.0	9.0	52	6	2	3.0	6.0	26	4	4	3.5	4.0
20	163	4	2	9.0	14.0	143	6	5	7.0	12.0	123	5	6	7.5	12.5	103	4	4	5.0	8.5	69	6	6	5.0	9.5	64	6	2	4.5	6.5	51	6	7	3.0	6.0	24	8	2	2.5	3.0
21	163	4	3	9.0	14.5	143	4	2	8.0	12.0	125	2	6	8.0	10.5	105	4	6	5.5	8.0	71	4	6	6.0	9.5	64	2	2	5.0	8.0	45	9	5	4.0	8.0	24	2	2	2.5	4.0
22	163	4	3	9.5	15.0	145	5	4	8.0	13.0	124	5	3	8.0	13.0	105	6	6	6.0	9.5	71	2	6	4.5	8.0	64	2	4	4.5	7.0	44	8	6	5.5	6.5	24	4	2	2.5	2.5
23	163	4	3	9.0	14.0	145	5	6	8.0	13.0	125	8	4	6.5	10.0	105	8	6	6.5	10.0	71	2	6	5.0	8.5	63	3	3	3.0	6.5	46	6	8	3.0	5.5	24	6	2	4.0	5.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone   Lat. 9.0N   Long. 79.5W   Month October   19 62

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dl	Vdm	Ldm	.051 Fam	Du	Dl	Vdm	Ldm	.160 Fam	Du	Dl	Vdm	Ldm	.495 Fam	Du	Dl	Vdm	Ldm	2.5 Fam	Du	Dl	Vdm	Ldm	5 Fam	Du	Dl	Vdm	Ldm	10 Fam	Du	Dl	Vdm	Ldm	20 Fam	Du	Dl	Vdm	Ldm
00	144	4	4	12.0	17.5	143	6	2	9.0	14.5	123	6	2	8.0	12.5	102	6	4	6.0	10.0	67	6	5	4.5		60	2	6	4.0	7.0	42	12	4	3.0	6.0	23	5	2	2.0	3.0
01	164	5	4	11.0	17.0	145	6	4	11.0	15.5	125	4	6	7.5	12.5	102	7	4	6.0	10.0	68	5	7	5.5	9.5	60	2	4	3.0	6.5	42	10	4	2.5	5.0	23	4	2	2.0	3.0
02	164	5	4	10.0	16.0	144	5	3	9.0	15.0	122	8	2	7.0	12.5	102	6	5	6.0	12.0	69	4	6	4.5	8.5	58	6	4	4.5	8.0	41	9	5	4.0	7.0	23	6	2	2.0	3.0
03	164	7	4	9.5	15.5	143	6	3	8.0	13.5	123	7	4	7.0	12.5	102	6	6	6.5	11.0	71	2	6	4.5	8.0	60	0	4	4.0	7.5	39	5	7	3.0	5.0	23	2	2	2.0	4.0
04	163	8	4	10.5	16.0	143	8	6	8.5	14.5	123	6	5	7.0	13.5	102	4	8	7.0	13.5	70	3	3	4.5	10.0	58	2	4	5.5	9.0	38	6	6	4.5	7.5	23	2	2	3.0	4.0
05	164	6	5	10.0	15.5	143	8	6	9.5	15.0	121	10	8	9.5	16.0	94	12	17	11.0	16.0	69	6	4	5.5	11.0	58	6	4	5.0	10.0	44	4	12	2.5	4.0	23	2	2	3.0	4.5
06	162	9	5	10.0	17.0	139	14	5	11.5	18.0	114	15	17	11.0	18.0	92	12	22	13.5	20.5	60	9	9	6.0	13.5	58	6	8	4.0	9.0	46	2	2	2.0	4.5	25	3	4	2.5	4.0
07	160	12	4	10.0	15.0	137	16	10	11.0	18.0	115	17	22	13.0	22.0	90	19	22	17.0	22.5	53	12	16	6.0	12.5	52	6	8	6.5	10.5	42	6	2	2.5	5.0	25	6	2	4.0	4.5
08	160	9	6	11.0	16.5	133	17	12	9.5	16.0	109	22	19	13.0	19.0	78	27	11	6.0	9.5	42	16	13	7.5	14.0	44	8	10	7.0	11.5	40	4	4	6.0	9.0	25	2	2	4.0	5.0
09	160	9	4	11.0	17.0	133	14	8	13.0	19.0	111	18	18	13.0	20.0	82	22	16	12.0	15.5	37	16	12	11.5	15.5	38	12	6	7.0	10.0	38	4	4	7.0	10.0	25	4	2	4.5	6.0
10	160	9	4	11.0	17.0	135	16	6	10.0	17.0	106	22	15	11.0	18.5	78	24	12	9.0	14.0	34	21	9	4.0	6.0	38	8	8	7.0	12.0	36	6	4	3.5	5.0	27	4	4	5.0	8.0
11	161	9	4	11.0	16.0	137	10	6	8.0	13.5	109	18	14	12.0	20.0	80	20	10	12.0	20.0	39	16	12	9.0	15.0	36	10	7	6.0	9.5	36	4	2	2.5	10.0	27	4	2	5.0	7.5
12	164	4	4	11.0	16.5	137	10	4	10.0	16.5	113	18	12	10.5	18.0	88	22	14	16.0	23.0	37	14	10	8.5	12.5	36	12	5	6.5	11.0	38	5	4	2.5	9.5	31	2	4	5.0	8.0
13	166	4	4	10.5	16.0	143	10	6	10.5	16.0	121	12	14	13.5	21.0	98	16	17	12.0	19.0	46	15	16			45	19	5	7.0		42	6	6	7.0	11.0	33	4	4	5.0	8.0
14	168	4	4	9.5	14.5	145	9	4	12.0	18.0	127	9	16	15.5	25.0	106	12	19	14.5	25.0	59	18	22	12.0	17.5	52	10	12	12.0	17.5	46	8	6	5.5	9.0	35	4	4	5.5	8.0
15	168	6	4	8.5	13.5	143	12	4	13.0	14.5	119	6	7	12.0	20.0	119	18	12	12.0	20.0	61	21	17	12.5	19.5	50	16	6	10.0	19.5	46	9	4	5.5	6.5	33	12	2	5.0	8.0
16	161	5	2	9.0	14.5	143	6	6	11.5	17.0	122	9	13	12.0	19.0	98	14	16	11.0	18.0	51	18	10	10.5	16.0	52	6	4	6.0	16.0	48	4	4	4.0	6.0	33	2	4	4.0	6.0
17	166	4	4	10.5	16.0	142	7	2	11.5	17.0	117	12	10	12.0	16.0	96	13	13	8.5	13.5	57	12	10	9.0	15.5	58	9	5	5.5	15.5	49	3	3	4.0	6.5	31	4	4	4.0	6.0
18	162	4	2	9.0	15.0	141	5	5	10.0	16.0	121	6	6	8.5	14.0	100	9	6	5.5	9.5	63	4	8	6.5	11.0	63	5	5	5.0	11.0	50	4	4	3.0	5.5	27	4	2	3.0	5.0
19	164	3	4	9.0	15.0	141	6	4	7.5	13.5	120	5	3	7.0	12.5	100	9	4	5.0	9.0	69	6	8	5.0	9.0	62	4	6	3.5	6.0	48	6	6	3.5	6.5	27	2	4	3.0	5.0
20	163	2	3	9.0	16.0	142	4	3	10.0	16.0	121	6	4	8.0	13.0	100	6	2	6.5	13.0	68	3	5	6.5	9.0	60	6	4	5.0	9.0	46	4	8	4.5	7.5	35	2	4	3.0	4.0
21	162	4	0	11.5	17.0	141	8	2	9.5	14.5	121	5	2	7.5	14.5	100	4	2	6.0	10.0	67	2	4	4.5	8.0	62	6	8	5.0	9.0	40	8	6	4.0	6.0	23	4	2	2.5	3.0
22	162	3	2	10.5	16.5	141	7	2	9.5	14.5	122	4	3	7.5	13.0	101	5	3	6.0	10.0	66	5	3	5.0	8.0	58	4	6	6.0	8.0	40	4	4	3.0	5.5	23	4	2	2.0	3.0
23	163	3	3	10.0	16.0	143	6	4	10.5	16.0	123	6	4	7.0	12.0	102	5	4	5.0	10.0	67	4	4	3.5	6.5	58	4	4	4.5	6.5	42	8	6	3.0	5.0	24	3	3	3.5	5.0

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone   Lat. 9.0N   Long. 79.5W   Month November 1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fom	Du	Dℓ	Vdm	Ldm
00	159	8	6	13.0	18.0	137	10	8	12.0	17.0	120	7	9	9.0	15.0	97	7	5	2.5	11.5	61	6	9	6.0	11.5	54	3	4	5.5	9.5	39	7	6	5.0	7.0	21	4	2	2.0	3.5
01	159	9	5	12.5	17.5	139	8	7	12.0	17.0	120	8	8	10.0	16.0	99	6	7	7.0	14.0	61	8	6	6.5	10.0	54	2	4	6.0	9.0	37	11	5	4.0	7.0	21	4	4	2.5	4.0
02	161	7	6	12.0	18.0	139	7	8	12.5	18.0	120	8	9	9.0	15.5	99	7	7	8.0	14.5	61	9	4	2.0	11.5	57	2	4	6.0	8.5	35	4	4	3.5	5.0	21	3	2	2.0	3.0
03	159	9	5	11.5	12.0	139	8	8	12.0	17.5	120	8	7	10.5	15.5	99	6	8	8.0	15.5	61	8	5	9.0	14.0	54	2	4	5.0	8.0	33	6	4	4.0	6.0	21	2	3	4.5	6.5
04	161	7	6	12.0	18.0	141	5	11	13.0	19.0	120	7	8	12.0	18.5	97	9	10	10.5	17.5	65	5	9	8.0	13.0	52	4	3	5.5	9.0	33	6	4	3.5	4.0	21	3	2	2.0	3.0
05	161	6	7	13.0	18.0	139	7	10	13.0	18.5	118	6	14	14.0	21.0	89	12	10	13.0	17.5	61	8	6	10.0	10.5	54	6	7	7.5	13.0	39	6	8	4.0	5.0	21	4	3	2.0	2.5
06	161	5	7	12.0	17.0	135	9	11	13.5	18.0	113	12	30	16.0	22.0	83	18	12	14.0	21.0	55	6	11	9.0	11.5	54	3	4	6.5	11.5	47	2	5	4.0	6.5	23	4	4	2.0	4.0
07	158	7	5	12.5	17.5	132	10	13	13.5	23.5	107	18	24	13.0	20.0	80	23	12	12.0	19.5	42	15	9	4.0	12.0	46	6	6	5.0	9.0	43	6	4	4.5	7.5	23	6	2	4.5	5.0
08	157	7	7	12.5	17.5	129	14	15	16.0	21.0	108	16	23	13.0	20.0	79	23	11	14.5	22.0	37	16	10	8.0	11.0	40	8	6	3.0	6.0	39	4	2	4.0	7.0	25	3	5	4.5	5.0
09	157	8	7	13.0	18.0	129	14	16	13.0	18.5	100	22	18	15.0	22.0	74	27	9	14.0	20.0	32	18	6	4.0	5.5	36	9	6	8.0	10.0	37	4	2	3.5	5.5	25	4	5	4.0	5.0
10	157	6	8	13.0	18.0	128	17	14	13.0	19.5	102	20	16	15.0	18.5	77	27	8	15.5	23.5	32	13	7	5.5	8.0	34	9	5	10.0	12.0	37	2	4	4.5	6.5	27	4	6	5.0	2.0
11	159	6	8	12.0	17.0	131	14	9	12.0	16.0	105	19	15	11.0	17.0	77	20	6	2.5	3.0	31	25	6	3.0	5.5	34	10	8	4.5	6.0	37	2	6	4.0	5.5	27	6	6	4.0	5.0
12	160	3	5	11.0	16.0	133	8	8	9.5	15.0	108	14	16	11.0	16.0	85	20	16	14.0	23.0	31	16	16	3.0	6.0	32	6	4	6.5	10.0	37	6	4	4.5	7.5	29	4	5	5.5	7.5
13	161	4	6	11.5	16.0	135	6	6	9.0	14.0	111	13	10	13.0	19.0	89	18	14	12.5	19.5	33	24	8	3.0	4.0	36	10	6	5.0	8.0	39	4	4	3.0	6.0	29	4	6	4.0	6.0
14	165	4	6	11.5	16.0	139	6	8	12.0	17.0	114	16	16	13.0	17.5	93	16	20	15.5	22.0	42	13	13			42	10	8	8.5	13.0	41	4	4	5.0	6.5	29	6	6	6.0	8.0
15	163	8	6	12.5	17.5	139	10	10	13.0	17.5	116	10	19	14.0	21.0	94	11	17	15.5	22.0	43	31	13	2.5	5.0	46	12	6	7.5	12.0	43	4	6	4.5	6.0	29	4	4	4.5	5.5
16	162	5	5	11.5	16.5	135	9	9	13.0	19.0	116	14	19	15.0	22.0	89	15	13	14.0	23.0	43	10	8	5.0	7.0	50	6	4	7.0	12.0	47	3	2	4.5	7.5	29	6	6	5.0	7.0
17	159	7	5	12.5	17.5	135	7	8	12.5	17.5	109	12	12	12.0	18.0	89	8	12	8.0	12.0	47	11	4	8.5	14.0	56	5	2	5.0	8.0	47	3	2	4.0	6.0	27	3	5	4.0	5.5
18	158	5	5	14.0	19.0	135	6	8	11.5	17.0	115	6	7	11.0	15.0	95	5	5	11.0	14.0	55	5	4	7.5	12.5	60	4	4	5.5	8.0	47	4	7	3.0	6.0	25	4	4	4.0	6.0
19	159	4	6	12.5	18.0	137	4	9	10.5	16.0	116	8	7	8.0	13.0	97	9	6	8.0	11.5	57	6	2	6.5	10.0	56	8	2	6.5	9.0	41	7	3	3.5	5.5	23	6	2	2.5	3.0
20	160	3	7	13.0	19.0	137	4	7	10.5	16.0	116	8	7	9.0	13.5	97	7	6	9.0	11.5	59	5	7	7.0	12.0	56	4	6	5.0	8.0	56	4	2	5.0	8.0	23	2	2	3.5	3.0
21	159	5	6	12.0	18.0	137	8	6	11.0	17.5	120	4	7	10.5	13.0	99	5	6	8.0	12.5	58	5	6	6.5	11.0	58	7	4	5.0	7.5	37	7	2	4.0	6.0	23	2	4	3.5	4.5
22	159	5	6	12.0	12.5	139	8	9	11.5	16.0	120	5	11	10.0	16.0	99	7	6	7.0	12.0	60	4	5	7.5	12.5	54	7	4	4.5	8.0	39	8	6	2.5	4.5	21	4	2	3.0	4.5
23	159	6	4	13.0	18.0	137	10	10	12.5	17.5	120	7	11	10.0	15.0	98	7	6	6.0	12.0	59	6	4	4.5	12.5	54	2	4	5.5	9.5	37	8	4	3.0	5.0	21	4	2	3.0	3.0

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

USCOMM-NBS-PL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fom	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fom	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fom	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fom	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	162	5	4	11.5	19.0	138	5	6	7.0	11.0	112	8	6	8.0	14.5	96	5	6	7.0	12.0	68	7	7	5.0	8.0	59	4	6	5.5	8.5	37	10	6	3.0	6.0	26	2	2	3.5	3.5
01	162	3	4	11.5	19.0	138	5	6	7.0	11.0	114	6	8	7.0	14.0	98	5	8	7.5	14.0	69	8	4	5.0	8.0	58	5	7	6.0	9.0	35	12	4	3.0	5.0	26	2	2	3.0	4.0
02	162	2	4	11.5	19.5	136	6	4	7.0	12.0	114	8	10	8.5	14.5	98	3	10	7.0	12.5	70	9	7	6.5	10.0	57	6	4	4.5	7.5	35	8	4	6.0	8.0	26	12	2	4.0	5.0
03	162	4	4	11.5	20.0	136	8	5	7.5	11.5	114	5	9	9.0	17.0	96	4	10	8.0	16.5	71	6	8	6.0	9.5	57	4	4	5.0	8.0	35	8	2	3.5	5.0	24	12	0	3.0	4.0
04	160	4	4	12.0	19.0	136	6	6	7.5	11.5	112	5	9	11.0	20.0	92	7	12	10.0	18.0	71	6	10	7.0	11.0	57	4	4	6.5	10.5	35	8	8	2.5	4.0	26	10	2	9.0	10.0
05	160	4	6	13.0	21.0	132	7	7	7.0	11.5	114	8	20	12.5	20.5	70	11	5	8.0	8.0	61	10	8	9.0	8.0	53	6	6	6.0	9.5	39	6	2	4.0	5.5	24	8	0	5.5	6.0
06	158	6	4	13.5	21.0	130	8	8	8.0	12.0	99	5	20	14.0	23.0	66	18	4	3.5	7.0	47	10	10	6.0	7.0	47	10	8	8.0	11.0	39	4	4	5.0	7.0	25	3	1	4.0	6.0
07	158	6	4	14.0	22.0	128	8	6	8.5	12.5	93	8	21	12.0	20.0	65	18	3	4.0	6.5	35	14	2	3.5	6.5	40	13	7	5.0	7.0	37	6	2	4.0	6.0	26	16	2	4.0	5.0
08	158	6	5	14.5	22.5	126	8	8	8.0	12.0	93			8.0	20.0	63			1.5		31	11	6	2.0	3.5	31	13	2	3.0	3.5	36			3.0	4.0	26			3.0	4.0
09	158			9.0	21.0	132			9.0	13.0	110			9.0	13.0	71			2.5	4.5	30			2.0	4.5	30					33			3.5	4.5	26			3.5	4.5
10	162			8.0	16.0	133			9.5	12.5	96			8.0	12.5	67			3.0	5.5	31			4.0	5.5	27			3.0	5.0	33			5.5	5.5	26			5.5	6.5
11	162			11.5	19.0	134			9.5	14.5	96	18	14	9.5	13.0	66	24	4	3.0	7.0	30			3.0	7.0	27	12	6	4.0	5.0	35	2	4	4.0	6.0	26	6	2	6.5	8.0
12	164	2	6	10.0	17.0	134	8	6	10.0	14.0	102	17	19	11.0	17.0	69	27	6	3.0	5.0	31	13	4	3.0	5.0	29	16	4	3.5	8.0	36	3	5	4.0	7.25	28	4	4	5.0	6.5
13	162	3	4	9.0	16.0	134	8	4	10.0	15.5	100	20	9	10.5	19.5	68	27	7	3.5	7.5	31	24	5	3.5	7.5	33	12	7	5.5	8.5	39	2	6	4.0	6.5	28	4	2	4.0	5.0
14	164	4	5	9.0	16.0	136	6	7	10.0	13.5	104	16	13	9.0	12.0	70	26	7	4.5	8.0	31	26	4	4.5	8.0	38	11	7	4.0	7.0	41	4	4	4.0	6.0	30	4	4	4.5	6.0
15	164	6	6	8.5	15.0	135	7	6	7.0	12.0	110	12	21	9.0	16.0	68	28	3	4.0	8.0	33	30	6	4.0	8.0	43	8	8	5.0	8.5	45	4	2	3.5	6.5	30	6	4	4.0	5.0
16	164	4	6	10.0	16.5	136	4	7	7.5	12.0	112	5	27	10.0	17.0	71	25	7	7.0	10.0	39	16	6	3.0	7.0	49	6	12	4.0	7.25	51	4	4	4.0	5.0	30	4	4	5.0	13.0
17	162	5	4	9.0	15.5	135	6	7	7.5	12.0	113	7	21	9.0	12.5	79	18	14	4.0	8.5	49	12	8	4.0	8.5	54	9	7	4.0	8.0	53	4	4	3.0	5.0	28	6	2	5.0	8.0
18	162	3	4	9.5	16.0	134	8	3	7.0	11.5	114	6	12	7.0	11.5	88	9	9	6.0	10.5	60	11	9	4.5	10.5	60	5	7	5.0	7.5	53	4	2	3.0	5.5	26	7	2	3.5	5.0
19	162	5	2	10.5	17.5	138	8	5	7.0	11.5	115	8	8	6.5	12.0	94	10	6	7.0	12.0	67	8	6	6.0	12.0	59	6	4	4.0	8.0	51	8	2	3.5	5.5	26	12	2	4.5	6.0
20	164	7	5	10.5	18.0	137	8	3	7.5	12.0	117	3	11	7.0	13.0	98	6	10	7.0	13.0	69	8	6	7.0	12.5	59	8	2	4.5	7.5	51	6	8	4.0	4.0	26	10	0	2.5	3.5
21	162	7	4	11.0	18.0	138	7	6	6.5	10.5	116	5	12	10.5	13.0	96	7	8	6.0	11.0	69	10	6	6.0	11.0	59	4	2	5.5	8.0	45	12	6	3.0	5.0	26	4	0	6.5	7.0
22	162	5	4	12.0	19.0	137	7	5	7.0	11.0	115	6	11	8.0	11.0	96	6	7	7.0	12.0	68	9	7	7.0	12.0	59	4	4	5.5	8.5	43	12	8	3.0	5.5	26	6	2	8.0	9.0
23	162	5	4	12.0	19.5	136	8	3	7.0	11.0	113	6	7	8.0	14.5	96	6	6	7.0	14.5	68	7	7	5.0	14.0	59	6	6	4.0	6.0	39	8	6	3.0	4.5	26	2	2	6.5	7.0

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station __Bill, Wyoming__   Lat. __43.2N__ Long. __105.2W__   Month __October__ 19__62__

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	158	6	2	11.0	12.5	134	6	6	6.0	9.0	110	8	8	8.0	14.0	90	10	4	7.5	14.0	63	6	6	5.0	9.5	55	6	3	5.0	9.0	43	7	10	3.0	5.5	24	2	0	+0.5	3.0
01	158	6	4	11.0	18.0	134	5	6	6.0	11.0	110	8	6	8.0	14.5	92	8	8	7.0	13.5	63	6	6	5.0	9.5	56	2	6	5.0	9.0	41	6	8	2.5	5.0	24	2	0	1.0	2.0
02	158	6	4	11.0	18.0	134	4	6	5.5	9.0	110	7	6	7.5	15.0	92	6	6	7.0	15.0	61	8	6	5.0	9.5	54	4	6	5.0	8.0	35	10	4	2.5	5.0	24	2	0	1.0	2.5
03	158	6	4	12.0	19.0	134	5	8	6.0	10.0	110	7	8	9.0	17.5	91	6	11	8.5	16.0	61	8	8	5.0	8.5	56	2	6	4.5	8.0	35	8	4	1.5	3.0	24	2	0	1.0	2.5
04	158	5	4	12.5	19.5	132	6	6	6.0	9.0	107	9	11	11.5	20.0	88	6	10	10.0	16.5	60	7	9	5.5	10.0	54	4	8	5.0	9.0	35	6	6	3.0	5.0	24	2	0	1.0	2.5
05	156	7	4	12.0	20.5	130	4	5	4.5	7.5	106	8	8	10.0	18.0	68	12	6	6.5	9.5	55	8	8	5.5	10.0	50	8	8	5.5	10.0	37	4	2	3.0	5.0	24	2	0	1.0	2.0
06	156	5	4	12.0	20.0	127	11	10	7.5	12.5	84	18	16	11.0	19.0	58	7	4	4.0	6.5	43	12	6	3.0	5.0	44	6	2	3.0	7.0	39	6	4	4.0	6.0	26	2	2	2.0	4.0
07	157	6	4	13.5	19.5	126	9	6	7.5	12.0	82	16	16	9.0	12.5	58	6	6	2.0	5.0	33	12	6	4.0	6.0	36	6	6	3.5	5.5	35	6	2	3.0	5.5	28	2	4	2.0	4.0
08	157	6	6	13.0	20.0	124	9	8	8.5	12.0	80	20	12	9.5	17.0	58	8	8	2.5	5.0	28	9	7	2.0	4.0	28	8	4	3.5	6.0	35	2	4	3.0	5.0	28	2	4	1.5	3.5
09	155	3	5	12.5	19.5	122	10	6	9.0	14.0	80	16	14	10.0	15.5	60			3.0	5.5	25	8	4	2.0	4.0	26	3	5	2.0	4.0	32	2		3.0	5.0	30			2.0	4.0
10	156			11.0	17.0	125			11.0	17.0	86			9.0	14.0	58			3.0	5.5	25			2.0	3.5	24			2.5	4.0	31			2.0	4.0	30			4.0	6.0
11	155	6	3	11.5	17.5	123	9	7	9.5	14.5	86	10	16	10.5	16.0	58	6	6	2.5	5.0	25	12	6	1.5	3.5	22	11	4	2.0	7.0	33	4	6	2.0	5.0	30	4	5	3.5	5.0
12	156	4	4	10.0	17.0	126	6	8	8.0	13.0	91	7	17	8.5	15.0	59	7	8	2.5	4.5	25	4	4	2.5	4.5	24	10	6	4.0	6.0	33	8	4	2.0	5.0	30	8	2	2.5	5.5
13	156	4	4	10.0	16.0	125	7	9	8.0	14.0	90	9	20	8.0	13.5	60	6	6	2.5	5.0	25	4	4	2.0	3.5	26	6	6	3.5	6.0	35	6	4	3.0	6.0	32	4	4	4.0	7.0
14	156	4	6	9.0	15.5	128	6	9	7.0	12.5	92	9	21	8.0	14.0	60	6	8	2.5	5.0	26	5	5	2.0	3.5	28	8	4	4.0	7.0	39	2	6	3.0	5.0	32	4	3	4.0	7.0
15	157	5	5	10.0	16.0	129	7	11	7.0	12.0	92	13	23	8.5	15.0	60	7	6	2.5	5.0	29	10	4	4.0	6.0	34	9	9	4.5	7.5	43	2	7	2.0	4.0	32	4	4	3.0	5.0
16	156	6	4	11.0	17.5	130	8	10	6.5	11.0	92	15	16	7.5	13.5	64	13	8	2.0	5.0	33	18	4	4.0	6.5	42	8	13	4.0	6.0	47	4	6	3.0	6.0	30	4	4	2.0	4.0
17	156	2	2	11.0	18.0	128	8	7	6.0	10.0	102	9	11	6.5	13.0	78	13	11	4.5	10.0	49	14	12	5.0	8.5	48	8	6	7.5	7.5	51	2	9	3.0	6.0	26	2	2	1.0	3.0
18	158	5	4	11.5	18.5	130	9	8	7.5	14.0	106	9	9	7.0	14.0	88	7	16	7.0	12.5	57	10	10	4.0	7.5	52	7	5	4.5	8.5	49	4	6	3.0	6.5	26	0	2	1.5	2.5
19	158	5	4	12.0	19.0	132	8	6	2.0	11.5	108	9	7	7.0	14.0	92	5	15	2.0	13.0	60	10	9	3.5	7.5	54	10	8	4.5	8.5	47	5	12	3.0	5.0	26	2	2	1.5	3.0
20	158	6	6	11.0	18.0	134	7	8	6.5	11.0	108	10	7	7.0	14.0	92	7	13	7.5	12.0	63	10	12	4.0	7.5	54	4	8	5.0	8.0	43	7	6	2.5	4.5	24	0	2	1.0	2.5
21	158	4	4	11.0	19.0	134	5	6	5.5	9.5	110	8	8	7.0	14.0	94	6	11	7.0	13.5	63	6	10	5.0	9.0	52	8	4	5.0	8.0	39	11	4	2.5	4.5	26	0	2	1.5	3.0
22	158	5	4	12.0	19.0	134	5	7	5.5	9.0	110	8	8	7.0	14.0	92	7	10	7.0	14.0	63	6	8	4.5	8.5	54	6	6	4.0	8.0	39	8	6	2.5	4.0	26	0	2	1.5	3.0
23	157	6	2	11.5	18.0	134	4	6	5.5	9.0	110	7	6	7.5	14.0	92	7	10	7.5	13.0	63	4	8	5.0	9.0	54	6	4	4.5	8.0	43	10	10	2.5	5.0	24	2	0	1.5	3.0

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

USCOMM-NBS-FL

RN-13

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	153	2	2	11.5	17.5	126	4	4	4.0	8.0	96	14	7	10.0	18.0	79	10	8	6.5	13.5	50	6	4	3.5	6.0	50	5	3	3.0	6.0	43	9	6	2.0	5.0	23	2	0	1.5	3.0
01	153	4	3	10.5	17.0	126	4	6	4.0	8.0	96	13	7	10.5	18.5	76	14	6	8.5	14.5	48	10	4	4.0	6.5	50	5	4	3.5	7.0	42	8	8	2.0	4.0	23	2	0	2.0	3.5
02	153	3	4	10.5	17.0	126	5	6	5.0	8.5	94	16	5	10.0	18.0	75	11	8	8.0	14.5	48	14	4	4.0	7.0	50	6	4	4.5	7.0	44	8	11	2.5	5.0	23	2	0	1.0	3.0
03	153	2	3	10.5	17.5	125	6	5	5.0	8.5	94	13	8	10.0	19.0	72	16	9	8.0	15.0	48	14	4	4.5	7.5	50	7	6	4.0	7.5	41	11	7	2.5	5.0	23	2	0	1.0	3.0
04	153	3	4	11.0	18.0	124	6	4	4.0	7.5	90	19	6	9.5	17.0	67	18	6	7.5	13.0	46	16	4	4.0	7.0	50	7	4	4.0	7.0	43	4	9	2.5	5.0	24	1	1	1.5	3.0
05	151	3	2	11.0	17.5	124	5	5	3.5	6.5	84	13	9	8.0	13.0	59	16	5	6.0	9.5	44	18	2	3.5	7.0	48	9	4	3.5	6.5	38	4	4	2.5	5.0	25	0	2	1.5	2.5
06	151	3	2	10.5	17.0	122	6	6	3.0	8.0	79	11	9	8.5	13.5	55	3	4	3.0	5.0	42	17	6	3.5	6.0	44	9	2	2.5	6.5	40	4	2	2.0	5.0	25	3	2	2.0	3.5
07	151	3	2	10.5	17.0	119	6	3	3.0	6.0	68	13	4	4.5	4.0	53	2	4	2.0	4.5	36	8	3	5.0	8.0	42	6	6	3.5	7.5	38	3	4	2.5	5.0	27	2	2	2.5	4.0
08	147	2	1	11.5	17.5	113	5	5	3.0	6.0	68	9	6	3.5	5.0	53	2	3	2.0	5.0	24	9	2	2.0	4.0	30	6	4	3.0	5.0	38	2	6	2.0	4.0	27	4	2	3.0	5.0
09	147	2	2	11.0	17.0	110	8	8	3.0	6.5	67	22	5	3.5	5.5	*53			2.0	4.5	24	4	4	2.0	4.0	26	8	4	2.0	4.0	34	8	4	3.0	5.0	27			*3.0	3.5
10	*147			10.5	16.5	*111			3.0	6.5	*68			4.0	6.5	*53			2.0	5.0	*22			2.5	4.0	*26			3.0	5.0	34			2.5	5.0	*27			2.0	4.0
11	147	8	2	9.5	13.0	112	6	9	5.0	8.0	66	20	4	3.5	6.0	55	2	4	1.5	4.0	20	6	2	3.0	4.5	24	4	4	1.5	3.5	34	1	5	2.5	4.5	29	3	2	*2.0	5.5
12	147	6	2	10.0	15.5	114	2	12	3.0	7.0	68	19	4	3.5	5.5	55	1	4	2.0	4.0	22	2	2	2.0	3.5	24	4	4	2.5	5.0	34	2	4	2.0	3.5	29	4	2	3.0	5.0
13	149	7	5	11.0	16.0	112	7	13	2.5	11.0	70	17	4	6.0	8.5	53	4	2	2.0	4.0	22	5	3	1.5	3.0	25	5	4	2.0	4.0	36	7	2	2.5	4.5	29	3	2	2.5	4.5
14	147	4	4	10.5	16.0	110	9	10	8.5	12.0	70	18	6	4.5	7.0	53	4	2	3.0	5.5	23	6	3	2.0	4.0	28	6	6	2.0	4.0	40	4	2	2.0	4.5	27	4	2	2.5	5.0
15	145	6	4	11.0	17.0	110	9	8	12.0	11.5	72	17	6	4.0	6.0	53	4	2	2.0	6.0	26	10	3	2.0	4.0	34	4	9	2.0	4.0	46	4	5	1.5	4.0	27	4	2	2.5	4.5
16	145	7	2	11.5	18.0	114	6	5	3.5	7.0	82	9	8	7.5	12.5	58	11	5	2.5	12.5	34	8	9	3.5	6.5	40	6	8	3.0	5.0	48	3	4	2.5	5.0	25	2	2	1.5	3.0
17	149	4	4	12.0	19.0	118	4	4	4.0	8.0	91	5	8	9.5	16.0	64	12	9	5.0	16.0	46	8	8	3.5	6.0	44	6	6	3.0	5.0	46	6	4	2.0	4.0	25	0	2	2.0	3.5
18	151	3	5	12.5	19.0	120	3	4	4.5	8.0	94	7	9	10.5	18.0	71	11	13	6.5	18.0	47	6	7	4.0	7.0	46	4	6	2.0	5.0	46	4	8	2.0	4.0	25	0	2	2.0	4.0
19	151	3	4	12.5	19.5	123	4	4	3.5	8.5	94	10	8	10.0	17.5	73	9	6	6.5	17.5	48	7	4	4.0	7.0	46	5	4	3.0	5.0	40	10	4	2.0	4.0	25	0	2	2.0	3.5
20	151	3	3	12.5	18.5	124	4	3	3.5	7.5	96	7	6	10.0	12.0	73	10	6	6.0	12.0	50	5	2	3.5	6.5	46	7	4	3.5	6.0	38	12	4	2.0	4.5	25	0	2	2.0	3.5
21	151	4	4	12.5	18.5	124	4	2	4.0	7.5	96	8	7	10.0	18.0	79	7	8	6.5	12.5	50	4	4	3.5	7.0	47	5	5	3.5	6.5	42	8	6	2.0	4.0	23	2	2	2.0	3.0
22	153	2	4	13.0	19.5	122	3	4	5.0	8.5	98	8	6	10.0	19.0	79	6	8	7.5	14.0	50	8	3	4.5	7.0	48	2	6	3.5	7.0	42	7	6	2.0	4.5	23	2	0	1.5	3.0
23	153	2	3	11.5	17.5	126	3	4	4.0	7.5	98	11	8	9.5	19.0	79	8	9	6.5	12.5	50	6	4	4.5	7.5	48	5	4	4.0	7.0	44	7	6	2.5	5.0	23	2	0	1.0	2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado   Lat. 40.1N   Long. 105.1W   Month September 1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dl	Vdm*	Ldm*	.051 Fam	Du	Dl	Vdm*	Ldm	.160 Fom	Du	Dl	Vdm*	Ldm*	.495 Fom	Du	Dl	Vdm*	Ldm*	2.5 Fam	Du	Dl	Vdm	Ldm*	5 Fam	Du	Dl	Vdm	Ldm	10 Fam	Du	Dl	Vdm	Ldm	20 Fam	Du	Dl	Vdm	Ldm
00	163	6	2	11.0	12.0	139	6	4	9.0	15.0	120	6	8	9.0	13.5	100	8	6	6.0	11.0	68	10	8	6.0	11.0	60	4	6	6.0	10.5	44	10	8	7.0	6.0	27	9	2	2.0	3.5
01	163	6	2	12.0	19.0	139	6	4	9.0	14.5	120	6	6	7.5	13.5	99	11	7	7.5	13.0	69	11	5	6.5	10.0	60	4	6	5.5	9.0	40	8	4	5.0	7.5	25	9	1	2.0	4.0
02	163	8	2	12.0	17.5	141	4	8	10.0	15.0	120	6	8	7.5	14.0	98	10	4	8.0	13.0	68	10	10	6.0	9.0	60	4	6	6.0	10.0	40	6	4	4.5	6.0	27	7	2	2.0	3.5
03	163	6	4	12.5	19.0	139	8	6	10.0	16.0	118	8	6	8.0	13.5	98	8	6	8.0	17.0	70	10	10	6.5	11.0	60	4	4	6.0	10.0	41	9	5	2.0	4.0	27	7	2	2.0	3.0
04	163	6	5	13.5	19.0	137	8	6	10.0	16.5	116	10	10	8.0	14.5	95	7	11	11.5	18.0	70	8	10	7.0	12.0	58	4	4	6.0	10.0	40	6	4	3.5	5.0	27	7	2	2.0	3.5
05	161	6	5	13.5	20.0	132	9	5	9.5	15.0	107	13	10	9.0	14.5	75	9	9	4.5	6.5	65	11	12	8.5	13.5	56	6	4	6.5	10.0	44	6	4	4.0	6.0	26	8	1	2.0	3.5
06	162	7	5	14.5	20.0	133	8	8	10.0	15.5	101	17	23	11.0	15.0	68	20	6	3.0	4.0	53	11	5	4.0	6.0	52	14	6	8.0	11.0	42	6	2	4.0	6.0	27	7	2	2.0	4.0
07	160	9	5	13.0	20.0	131	8	8	12.0	17.0	96	20	23	12.5	17.0	68	18	4	4.0		50	10	4	2.0	4.0	46	10	6	5.5	9.0	38	10	2	5.0	7.0	27	7	3	3.0	4.5
08	159	8	6	14.5	19.0	129	10	8	12.0	17.5	95	20	17	9.0	13.0	68	28	4	3.0	4.5	50	10	2	2.0	3.5	44	10	2	6.5	9.0	40	8	6	6.0	8.0	27	7	2	2.5	4.0
09	161	5	6	12.5	18.0	131	12	9	11.0	18.0	98	22	20	10.0	15.5	68	28	4	3.0	4.5	50	10	2	2.0	4.0	42	10	4	3.0	5.0	37	7	6	5.0	7.5	27	7	2	3.5	5.0
10	161	6	6	12.0	19.0	131	8	10	11.0	17.5	100	16	18	10.0	13.0	20	10	6	3.0	13.0	50	10	4	2.0	3.0	42	8	2	4.5	4.5	36	8	6	5.5	8.0	27	9	2	4.0	6.0
11	161	8	6	9.0	15.0	134	5	7	8.0	13.5	102	22	16	10.0	13.5	72	31	8	13.0	17.5	50	10	4	2.5	3.5	44	12	5	3.0	4.0	36	8	2	6.0	8.0	28	8	3	3.5	6.0
12	165	6	6	9.5	14.5	137	8	10	8.0	13.0	112	14	22	9.0	14.0	79	27	15	10.0	13.5	52	18	4	2.0	4.0	44	15	7	3.0	5.0	40	6	4	5.5	9.0	29	7	4	4.0	6.5
13	167	4	8	8.0	13.5	139	8	8	7.0	11.0	113	13	19	9.0	14.5	81	27	13	8.5	11.5	52	24	6	3.0	4.0	44	14	2	3.5	5.0	44	4	6	4.0	9.0	29	7	2	4.0	5.5
14	167	6	6	8.0	12.5	140	9	9	7.0	12.0	114	14	14	7.0	14.0	88	18	20	5.0	14.0	56	15	8	2.5	4.0	48	10	4	3.5	6.0	44	6	4	5.0	7.0	31	7	4	4.0	5.5
15	167	4	5	8.0	13.0	139	8	8	8.0	12.0	112	14	19	10.0	15.5	88	18	18	10.5	17.0	56	14	8	3.0	4.5	51	10	5	4.5	6.5	47	5	5	5.0	7.0	31	7	4	4.0	6.0
16	167	4	6	9.0	15.5	139	7	6	7.5	13.0	114	14	15	10.0	16.0	88	18	20	12.0	5.0	57	12	8	4.0	6.0	54	6	7	4.0	7.5	50	6	6	3.0	5.0	31	7	4	4.0	5.0
17	165	4	4	10.0	15.0	141	6	8	9.0	14.5	116	12	16	8.0	13.5	91	15	21	7.0	10.0	62	8	10	5.5	8.0	58	8	6	4.5	8.0	52	4	4	3.5	6.0	31	9	5	4.0	6.5
18	165	6	6	10.0	15.5	139	8	6	8.5	14.0	116	12	8	6.0	11.0	94	10	8	6.0	10.5	64	6	10	5.0	7.5	62	6	6	5.0	8.0	54	8	6	3.5	5.0	27	9	0	3.0	5.0
19	165	4	4	10.5	16.0	139	8	4	8.0	12.5	118	8	6	6.5	11.0	100	6	8	7.0	11.0	70	8	6	5.0	9.0	62	5	5	4.5	8.0	54	6	6	3.5	5.0	27	9	2	2.5	4.0
20	165	4	4	12.0	16.0	139	8	8	8.0	13.0	120	6	10	7.0	12.0	100	8	6	7.0	12.0	70	8	6	4.5	9.0	62	8	8	5.5	9.0	52	6	10	3.0	5.0	27	9	2	3.0	9.0
21	165	4	4	12.0	18.0	141	8	8	8.0	13.5	120	8	8	7.0	12.5	100	8	8	7.5	12.0	70	6	6	6.0	9.5	61	5	8	5.0	9.5	48	6	8	4.0	6.0	27	7	2	3.0	3.5
22	165	4	4	11.0	12.0	140	7	7	9.0	13.5	118	10	8	7.0	12.0	100	10	10	5.0	9.0	69	9	7	6.0	9.0	59	5	5	5.5	9.0	46	6	8	5.0	6.5	27	7	2	2.0	3.5
23	165	4	6	12.0	17.5	139	6	4	9.5	14.0	117	9	5	8.0	13.0	101	5	9	6.5	12.0	68	10	10	5.0	8.0	60	4	11	5.5	9.5	42	10	7	4.0	5.5	27	7	1	2.0	3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado   Lat. 40.1N   Long. 105.1W   Month October   1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dl	Vdm	Ldm	.051 Fam	Du	Dl	Vdm	Ldm	.160 Fam	Du	Dl	Vdm	Ldm	.495 Fam	Du	Dl	Vdm	Ldm	2.5 Fam	Du	Dl	Vdm	Ldm	5 Fam	Du	Dl	Vdm	Ldm	10 Fam	Du	Dl	Vdm	Ldm	20 Fam	Du	Dl	Vdm	Ldm
00	158	6	4	10.0	17.0	134	5	7	8.0	15.0	114	6	7	7.5	13.0	95	7	8	7.0	12.0	63	6	6	4.0	5.0	56	6	2	4.0	5.0	44	4	9	3.5	5.0	25	2	4	2.0	3.0
01	157	4	4	10.0	17.0	134	4	5	8.0	14.5	112	8	6	8.0	15.0	93	8	6	7.0	13.0	63	6	6	4.5	13.0	56	6	4	4.0	7.0	42	6	8	4.0	6.0	26	2	5	1.5	3.0
02	157	5	3	10.5	16.5	132	4	6	8.0	12.5	112	6	6	8.5	15.5	93	6	8	7.5	15.0	63	6	7	4.0	5.5	56	4	4	4.0	5.5	38	8	7	2.5	5.0	25	3	3	2.0	3.0
03	157	6	2	11.5	18.0	132	4	6	6.0	13.0	110	7	8	10.0	19.0	93	3	11	8.5	16.5	64	5	10	4.0	7.0	56	3	4	4.0	7.0	39	5	7	2.5	4.5	26	4	5	2.0	3.5
04	156	5	2	11.5	18.0	132	4	8	8.0	14.0	106	9	10	12.0	18.0	89	5	15	7.0	16.5	60	9	7	4.5	9.5	54	6	6	4.5	8.5	38	4	7	2.0	6.5	26	2	5	2.0	1.0
05	157	4	2	12.0	18.5	128	5	7	8.0	11.0	96	15	10	11.0	19.5	69	15	15	6.5	9.5	57	10	6	7.0	5.0	54	6	6	4.0	6.5	40	2	2	1.5	3.0	26	1	4	2.0	3.0
06	154	5	4	12.0	19.0	123	9	6	10.0	15.0	84	21	8	8.0	14.0	65	6	7	8.0	14.0	57	10	4	1.5	6.5	48	6	4	2.5	5.0	40	4	4	4.0	6.0	26	2	3	2.5	4.0
07	154	5	6	12.0	19.0	124	6	10	7.0	11.0	84	16	12	6.0	10.0	64	6	5	2.5	5.0	49	2	4	1.5	5.0	44	4	6	2.5	4.0	38	7	2	2.5	4.5	28	2	6	3.5	5.5
08	152	6	4	11.5	18.5	122	8	11	9.0	14.0	80	18	7	7.5	11.0	65	8	4	3.0	4.5	49	2	3	1.5	2.5	42	3	4	1.5	3.0	36	6	3	4.5	8.5	28	4	5	4.0	6.0
09	153	6	5	12.0	18.0	122	6	8	10.0	16.0	86			11.0	17.5	65	8	7	7.5	11.5	49	4	4	4.0	7.0	42	4	8	3.0	3.0	34	6	3	6.0	8.0	27	4		2.5	4.5
10	155			9.0	14.5	122			10.0	14.0	84	18	8	9.0	16.0	65	6	4	9.0	16.0	49			3.0	5.0	42			2.0	4.0	34	6	6	6.0	8.5	28	6	7	3.0	5.0
11	155	5	5	11.5	17.0	123	5	9	10.5	17.0	87	13	12	9.0	16.0	65	4	4	4.5	6.0	49	2	6	1.5	3.0	44	2	9	2.0	3.0	35	7	8	6.5	9.0	30	10	7	7.5	14.0
12	156	4	5	9.0	14.0	126	3	12	10.0	14.5	90	10	14	10.0	13.0	65	8	5	3.5	5.5	49	2	5	2.0	3.0	44	2	10	2.0	3.0	37	8	8	4.5	7.0	30	9	7	7.5	9.5
13	157	8	8	10.0	15.0	126	3	11	9.5	15.5	92	16	16	9.0	16.0	64	10	2	3.0	5.5	49	3	5	3.0	5.5	44	3	7	1.5	4.0	38	8	7	5.5	8.5	32	6	10	5.0	9.0
14	158	3	8	10.0	15.5	126	10	12	10.0	15.0	93	18	15	9.0	14.0	65	14	2	4.0	6.0	49	4	5	2.0	6.0	44	2	8	2.0	3.0	40	6	7	3.5	6.0	32	4	8	4.5	6.0
15	156	6	6	10.5	16.5	126	11	10	9.5	14.5	90	19	12	8.5	15.0	67	18	6	3.0	6.0	49	3	6	3.0	6.0	44	8	5	2.0	2.0	46	2	10	3.0	6.0	30	8	8	4.0	6.5
16	155	5	7	11.0	17.0	128	5	11	8.5	14.5	92	19	13	7.5	15.0	69	12	6	4.5	7.0	51	6	6	4.5	7.0	47	10	5	2.0	3.5	48	3	7	2.5	4.0	30	6	9	3.5	5.0
17	156	6	6	10.5	16.0	128	6	10	9.0	14.0	104	9	10	7.0	13.0	83	12	12	6.0	13.0	55	10	6	2.0	4.5	52	6	5	3.5	5.5	48	4	8	3.5	6.0	28	4	5	2.5	4.0
18	157	5	5	11.0	17.5	130	6	8	8.0	14.0	110	6	14	6.5	14.0	93	8	8	5.5	11.5	61	8	6	4.0	5.5	55	7	7	4.0	7.0	48	3	11	3.0	5.0	26	4	5	2.0	2.0
19	158	4	6	10.5	17.5	132	6	8	8.0	13.5	110	8	10	7.0	13.5	93	8	10	6.5	12.5	61	10	6	5.0	7.0	56	6	8	3.5	7.0	45	3	11	1.5	3.5	26	4	5	2.0	3.5
20	158	4	8	10.0	18.0	132	8	10	7.0	13.0	112	6	11	7.0	14.0	95	4	10	5.5	12.5	61	6	8	4.5	8.0	56	4	5	3.0	7.0	42	6	9	2.5	4.0	26	2	5	2.0	3.5
21	157	3	6	10.0	17.0	132	6	10	8.5	13.0	112	6	10	8.0	14.0	93	6	10	5.5	12.5	63	6	8	3.5	6.5	56	5	7	4.0	7.5	40	6	6	3.0	5.0	26	3	5	2.0	3.0
22	158	4	8	10.0	17.5	134	4	10	8.0	13.0	112	8	8	7.0	13.5	95	5	8	6.0	11.0	56	8	6	4.0	6.0	56	4	7	4.0	6.0	42	4	7	2.0	4.0	26	2	5	3.0	4.0
23	158	5	5	10.0	16.5	134	5	8	8.0	12.5	113	7	8	7.0	13.0	93	7	7	6.0	11.0	61	8	8	4.0	7.0	56	6	5	3.0	6.0	42	7	8	3.0	6.0	26	2	6	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado   Lat. 40.1N   Long. 105.1W   Month November 1962

Frequency (Mc)

Hour (LST)	.013 Fom	Du	Dl	Vdm	Ldm	.051 Fom	Du	Dl	Vdm	Ldm	.160 Fom	Du	Dl	Vdm	Ldm	.495 Fom	Du	Dl	Vdm	Ldm	2.5 Fom	Du	Dl	Vdm	Ldm	5 Fom	Du	Dl	Vdm	Ldm	10 Fom	Du	Dl	Vdm	Ldm	20 Fom	Du	Dl	Vdm	Ldm
00	152	2	4	11.0	17.5	124	6	4	6.5	10.5	99	10	9	8.5	15.0	84	7	8	6.0	10.5	53	4	3	2.0	5.0	52	4	6	4.0	7.0	44	4	14	3.5	6.0	23	2	2	2.0	3.0
01	152	2	4	10.0	16.5	122	10	2	6.0	9.0	98	10	11	10.0	16.5	81	9	8	7.0	11.0	53	8	4	2.5	4.5	52	6	4	4.0	7.5	46	4	12	2.0	5.0	23	2	2	2.0	3.0
02	152	3	6	9.5	16.0	124	6	5	6.0	10.0	95	16	8	9.5	16.0	79	13	7	7.0	11.0	53	10	3	3.0	5.0	52	6	6	4.5	7.5	42	9	8	2.0	4.0	23	2	2	1.5	3.0
03	152	2	4	10.5	17.0	123	7	4	6.0	9.0	94	14	9	10.0	16.5	78	11	9	7.0	12.0	53	11	6	4.0	6.5	52	4	4	4.0	7.0	40	8	6	2.0	4.5	23	2	0	1.5	2.5
04	150	4	2	10.5	16.5	122	9	3	5.5	9.5	90	17	8	9.5	14.0	72	18	8	5.5	14.0	53	12	4	4.0	7.0	52	8	4	4.0	7.5	42	8	8	2.0	4.0	23	2	0	1.5	2.5
05	150	4	9	11.0	17.0	122	10	4	5.0	8.0	80	17	3	6.0	9.5	66	18	4	4.0	7.0	52	11	5	3.5	5.0	50	8	6	4.0	6.0	42	2	6	2.5	5.0	23	2	0	1.0	2.5
06	148	4	2	11.5	17.0	120	8	4	7.0	11.5	75	15	2	4.0	6.0	64	4	4	3.0	6.0	51	11	5	2.5	4.5	46	10	4	3.5	6.0	42	4	4	3.5	6.5	25	2	2	2.0	4.0
07	148	6	1	11.5	17.5	118	7	6	4.0	8.0	75	14	6	4.0	6.0	64	6	7	2.0	5.0	49	7	6	2.5	6.5	44	10	6	3.5	5.0	40	2	4	4.5	6.0	26	3	3	*3.0	*5.0
08	146	5	2	12.0	17.5	114	10	6	3.5	8.0	73	18	4	2.0	4.0	64	6	4	2.0	4.0	49	7	6	2.0	4.0	41	5	9	3.0	5.0	38	4	6	3.5	6.5	27	4	4	*4.0	*7.0
09	144	4	1	11.0	15.5	108	14	8	4.0	7.0	73	15	6	2.5	5.0	*74			1.5	4.0	*40	4		2.5	5.0	40	5	10	2.5	4.5	38	6	8	2.0	4.0	*25			2.0	4.0
10	*146	3		12.5	18.5	*110			3.5	7.0	*75			3.5	5.5	*64			2.0	4.0	*42			3.0	7.0	*42			3.0	7.0	*34			2.5	4.0	*27		6	2.5	3.5
11	146	2	3	10.0	14.5	110	11	8	4.0	8.0	73	18	4	2.0	4.0	64	8	4	2.0	4.5	51	4	4	2.5	5.0	42	4	11	2.5	4.5	34	8	5	1.0	2.5	29	10	6	2.0	3.5
12	148	4	4	9.0	14.0	110	8	6	6.0	10.0	77	8	8	3.0	6.0	64	10	4	2.0	4.0	49	4	4	2.0	4.0	44	4	8	2.0	4.0	35	5	7	4.0	6.0	29	10	5	3.5	5.0
13	146	4	2	9.5	14.5	111	5	9	5.0	10.0	77	18	6	5.0	6.5	64	10	2	2.0	4.0	49	4	6	4.5	4.5	42	2	10	2.5	4.0	38	6	10	3.5	5.0	33	8	6	*5.0	8.0
14	146	4	2	7.5	12.5	108	12	6	8.0	12.0	79	16	8	3.0	7.0	64	12	4	2.0	4.0	49	4	6	3.0	4.5	42	4	8	2.0	4.0	44	2	10	4.0	4.0	31	10	8	*5.0	*8.0
15	146	2	4	10.0	15.5	111	9	9	7.5	11.5	79	18	6	4.0	7.5	64	10	2	2.0	5.0	49	4	6	2.5	4.0	44	4	8	3.0	4.0	46	2	8	3.0	4.5	27	8	4	2.5	4.5
16	144	8	2	11.0	14.5	114	5	5	4.0	7.5	84	13	9	5.0	10.0	68	10	6	3.0	6.0	51	2	8	4.5	6.0	46	6	6	3.0	4.0	46	4	6	2.0	4.5	27	8	4	2.0	3.5
17	148	4	5	10.0	16.5	118	7	6	6.0	10.0	91	9	8	9.5	15.0	74	11	8	3.5	6.0	53	3	7	2.5	4.5	48	6	7	4.0	4.0	46	7	6	2.5	5.0	25	3	2	1.5	2.5
18	148	5	4	11.0	17.0	120	6	6	5.5	9.0	95	8	9	8.0	15.0	78	12	9	5.0	8.0	55	6	8	3.0	5.0	48	6	6	3.5	6.0	46	4	5	3.0	5.0	25	2	2	1.5	3.0
19	150	4	5	11.5	18.5	122	7	5	5.5	9.0	97	8	8	9.0	16.0	80	8	8	5.5	10.5	55	6	8	4.0	6.5	50	4	8	3.0	5.0	44	4	8	2.0	4.0	24	1	1	1.5	2.0
20	150	4	5	11.5	17.5	123	4	3	5.0	8.5	98	10	9	9.5	16.0	81	12	7	6.0	16.0	55	8	4	3.5	6.5	48	8	4	3.5	6.0	40	6	8	3.0	4.0	23	4	0	1.5	3.0
21	150	4	4	12.0	18.0	123	7	4	6.0	10.0	99	10	8	10.0	12.0	82	12	7	6.0	11.0	55	3	3	3.5	7.0	48	8	4	4.0	6.5	43	7	7	2.0	3.5	23	2	1	1.5	3.0
22	150	4	4	12.0	18.0	124	6	6	6.0	8.5	101	7	9	9.0	16.0	83	7	6	7.0	11.0	53	2	2	4.0	6.0	48	6	4	4.0	7.0	43	5	4	3.0	5.0	23	3	1	1.5	3.0
23	150	2	2	11.0	18.0	124	4	4	5.0	9.0	99	9	9	9.0	15.5	82	8	6	5.0	10.0	55	6	4	4.0	6.0	50	3	5	3.0	6.0	44	7	4	3.5	5.5	23	2	1	1.5	3.0

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant., Lat. 80.0S Long. 120.0W   Month September 1962

Frequency (Mc)

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	.113 Fam	Du	Dℓ	Vdm	Ldm	.246 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	112	4	4			90	8	4			69	2	6			49	12	2			20	13	2			29	12	13			26	6	7			24	1	2		
01	112	4	4			92	7	7			69	2	4			50	8	3			19	14	1			26	15	11			24	6	8			22	4	1		
02	112	6	5			90	8	6			68	3	5			49	7	2			20	10	2			22	20	8			24	6	12			22	4	2		
03	112	4	6			92	5	8			68	4	4			*51					20	10	3			23	13	10			24	6	13			22	3	2		
04	112	4	4			92	7	6			72	1	5			*50					21	4	3			19	16	6			21	7	8			22	2	2		
05	110	6	2			90	6	4			72	2	8			49	14	3			21	6	3			20	14	6			23	5	5			22	2	2		
06	112	4	4			92	4	6			68	6	4			49	14	2			20	8	2			19	12	7			20	7	8			22	2	2		
07	112	4	6			92	4	8			68	9	4			49	16	2			20	7	2			16	14	4			20	5	9			22	4	4		
08	112	4	6			92	5	6			69	3	5			49	18	3			20	4	2			16	9	4			21	5	9			22	7	3		
09	112	4	6			92	4	8			68	9	4			51	17	4			20	5	3			17	5	5			21	5	10			22	2	3		
10	110	6	6			90	8	6			68	5	4			49	17	4			20	7	2			15	12	3			22	6	6			22	4	2		
11	112	4	6			92	2	6			68	5	5			51	13	5			20	2	2			19	4	7			23	5	4			22	2	1		
12	111	4	5			92	4	7			68	6	4			49	7	4			20	4	2			22	5	8			24	2	3			22	2	0		
13	110	4	5			90	8	6			68	6	5			49	10	4			20	3	1			28	5	8			26	2	5			24	2	2		
14	110	4	6			92	6	6			68	6	4			49	6	4			20	5	2			30	6	10			26	3	3			22	2	0		
15	110	4	4			91	5	5			71	4	6			*55					21	5	2			32	7	11			28	5	3			22	4	0		
16	112	4	6			92	6	6			71	4	3			*52					22	7	3			36	5	11			29	6	5			24	2	2		
17	112	4	6			92	4	8			68	2	3			49	8	2			23	9	4			34	10	11			29	7	4			22	2	2		
18	112	4	6			92	4	6			68	2	3			49	8	2			21	6	2			34	10	9			30	2	7			22	1	4		
19	112	4	4			92	5	6			68	3	4			49	11	2			21	9	2			33	9	12			28	7	9			22	3	4		
20	110	6	2			92	8	6			68	4	3			49	10	4			21	8	3			32	9	15			28	7	10			22	3	2		
21	112	4	4			92	6	6			69	3	5			51	8	4			21	3	3			32	8	14			26	6	6			24	0	2		
22	112	4	4			92	6	6			68	3	4			49	10	2			20	9	2			30	9	13			26	5	4			22	0	2		
23	114	2	6			92	4	7			67	5	2			49	8	2			21	6	3			31	9	18			27	6	12			22	4	4		

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station **Byrd Station, Ant.** Lat. **80.0S** Long. **120.0W** Month **October** 19**62**

Frequency (Mc)

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	.113 Fam	Du	Dℓ	Vdm	Ldm	.246 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	104	10	6			84	8	6			65	3	1			49	10	4			19	7	2			25	8	12			27	4	12			13	2	2		
01	106	6	12			84	8	6			65	3	1			49	8	7			20	12	2			21	12	6			26	4	14			13	2	2		
02	104	6	6			86	6	6			65	2	1			49	5	4			19	16	2			21	13	8			22	6	5			11	2	2		
03	104	4	6			86	6	6			*76					*52					20	11	3			17	14	4			22	6	9			11	2	2		
04	104	6	8			88	6	6			*66					*52					19	7	2			16	15	4			17	9	8			11	2	4		
05	102	10	4			86	6	4			66	11	2			49	8	4			19	9	3			15	13	3			16	9	7			11	2	4		
06	102	10	6			84	8	6			65	11	1			49	6	4			19	4	3			15	8	3			15	11	5			9	4	2		
07	102	12	4			84	8	8			66	7	2			49	4	4			19	6	3			15	6	2			17	7	7			11	2	4		
08	100	8	2			84	8	8			66	7	2			47	6	2			19	14	3			16	5	5			22	6	10			11	2	4		
09	102	8	6			84	6	4			67	8	3			47	10	2			20	12	4			15	2	4			20	6	8			11	2	2		
10	102	8	4			84	10	4			66	5	2			49	2	4			19	13	3			14	4	2			20	6	5			11	2	2		
11	104	8	8			88	6	8			66	4	2			47	4	2			19	14	3			13	4	2			21	4	8			11	2	2		
12	104	8	8			86	6	8			65	5	1			47	3	1			19	2	3			14	6	1			22	6	4			11	2	2		
13	104	8	11			86	7	7			66	3	2			47	4	2			20	1	4			19	5	6			23	3	4			13	2	2		
14	104	8	10			84	8	6			65	3	1			47	4	2			19	4	3			21	8	8			24	6	3			13	2	2		
15	105	5	7			86	5	4			*75					*47					19	4	3			21	8	7			27	5	6			13	2	2		
16	103	7	7			90	6	4			*85		2			*47					20	19	4			23	9	8			27	5	8			13	2	2		
17	106	6	8			86	10	6			66	4	2			47	6	2			18	5	2			20	10	8			24	7	8			13	2	2		
18	104	8	8			86	10	6			65	5	1			47	10	2			18	5	2			17	12	4			24	7	4			11	4	0		
19	104	8	10			86	8	6			65	4	1			47	10	2			18	3	2			23	14	8			25	5	11			13	0	4		
20	102	12	6			86	8	6			66	1	2			47	6	2			19	3	3			25	11	12			25	4	11			13	0	4		
21	102	10	4			85	9	5			75	3	3			47	7	2			19	6	3			21	14	7			24	8	10			13	2	4		
22	103	9	9			88	5	9			65	4	1			49	4	4			19	5	2			26	10	9			26	4	8			13	2	2		
23	104	8	12			86	6	8			65	4	1			47	7	2			19	5	3			28	10	11			28	3	12			13	2	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant.   Lat. 80.0S   Long. 120.0W   Month November 1962

Frequency (Mc)

Hour (LST)	.051 Fom*	Du	Dℓ	Vdm	Ldm	.113 Fom*	Du	Dℓ	Vdm	Ldm	.246 Fom*	Du	Dℓ	Vdm	Ldm	.545 Fam*	Du	Dℓ	Vdm	Ldm	2.5 Fam*	Du	Dℓ	Vdm	Ldm	5 Fam*	Du	Dℓ	Vdm	Ldm	10 Fam*	Du	Dℓ	Vdm	Ldm	20 Fam*	Du	Dℓ	Vdm	Ldm
00	110					92					64					56					19					24					19					24				
01	110					95					65					60					20					20					20					24				
02	110					98					69					59					20					20					20					24				
03	110					97					67					60					18					22					18					24				
04	110					98					69					62					21					22					20					22				
05	110					98					64					58					20					19					18					24				
06	110					98					65					60					22					22					18					24				
07	110					97					65					61					20					20					15					23				
08	110					98					65					56					22					18					18					22				
09	109					94					65					56					18					18					18					24				
10	110					96					65					58					20					18					16					24				
11	112					96					70					60					18					16					18					24				
12	111					97					64					56					18					17					16					24				
13	109					97					66					56					18					17					16					24				
14	112					98					67					56					18					18					18					24				
15	110					98					65					60					19					18					20					24				
16	110					100					63					60					20					21					22					25				
17	110					98					66					58					19					21					22					25				
18	112					97					67					58					18					21					24					24				
19	112					96					66					55					22					20					24					24				
20	114					96					64					54					18					27					24					25				
21	111					96					62					53					18					21					23					24				
22	110					96					63					54					19					20					23					24				
23	112					95					65					58					20					28					23					24				

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 September 1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	153	3	2	6.5	10.5	124	7	2	8.5	15.0	102	4	6	8.0	14.0	77	9	4	6.0	12.0	52	10	4	6.0	11.0	48	11	4	5.0	9.5	40	6	5	4.5*	7.5	20	0	2	3.0	4.0
01	153	4	0	7.0	12.0	126	5	2	8.0	13.5	102	4	6	7.0*	12.0	77	8	4	5.5*	10.0	54	6	8	4.0*	8.0	48	9	4	4.5	8.0	38	4	4	3.5	6.0	20	2	0		
02	153	3	0	7.0	11.5	126	5	2	9.0	14.0	102	5	4	7.0	12.5	77	8	4	6.5	13.0	52	7	6	4.5	8.5	50	6	5	4.5	8.0	36	5	4	2.5	5.0	20	2	0	4.5	3.5
03	153	5	0	7.0	12.0	128	3	4	6.5	11.5	102	4	6	7.0	12.5	75	9	2	7.5	13.5	52	8	5	5.0	9.5	50	6	6	4.0	7.5	34	3	4	5.0*	8.0	20	2	0	2.5	3.5
04	155	2	2	7.5	12.5	126	4	2	9.0	13.0	100	4	6	7.5	12.5	77	6	3	5.5	11.0	52	9	6	6.0	10.0	50	6	5	4.0	8.0	32	6	3	2.5	4.0	20	2	0	4.5	6.0
05	153	2	2	8.0	13.5	126	3	4	8.5	13.5	96	6	4	7.5	13.5	71	8	6	7.0	14.0	50	7	4	5.5*	8.5	48	4	6	4.0	6.5	32	5	4	3.0	6.0	20	1	0		
06	153	2	2	8.0	13.0	120	4	3	7.0	12.5	82	11	8	11.5*	18.0	47	14	10			42	13	5	5.5*	10.0	46	5	7	4.0	7.5	37	7	5	3.5	5.5	20	2	0	4.0	9.0
07	149	4	2	8.0*	12.5	114	4	3	8.5*	12.5	68	14	5	11.0*	16.5	39	18	2	4.0	7.0	28	10	8	5.5*	10.0	32	10	7	6.0*	6.0	34	5	3	3.0	5.0	20	3	0	2.5	4.5
08	147	4	2	9.0	14.5	106	7	5	11.0	14.0	64	17	6	6.5*	10.0	39	19	2	5.0	7.5	20	14	2	2.5*	19.5	20	11	6	6.0	8.0	28	5	4	3.0	4.5	20	2	1	2.5	4.0
09	147	4	2	10.0	16.0	106	10	4	12.5	19.5	60	20	3	3.5	4.5	37	17	0			20	16	2	7.0	13.0	16	12	6	5.0	6.5	24	4	2	5.0*	7.0	20	4	2	3.5	5.0
10	147	4	2	12.0*	17.5	108	6	6	14.0	22.0*	64	12	6	9.0	12.0	43	10	6	2.5	4.0	18	12	0	10.0	13.5*	14	8	4	2.5	4.0	24	2	4	3.5		20	2	2	2.5	3.5
11	149	2	6	12.5	17.0*	110	7	6	12.5*	20.5	64	14	4	8.0*	13.0	48	5	11	3.0	5.0	18	7	0	3.5	5.0	16	5	4	3.0	4.0	24	2	4	3.0	5.0	20	2	2	3.5	5.0
12	149	4	4	11.5	18.5	112	6	6	15.0*	23.0	68	11	9	14.0*	21.5	51	4	14	3.0	4.5	18	6	0	3.5	6.5	14	11	4	4.5		24	6	4	6.0	9.0	20	2	0		
13	149	4	4	14.0*	21.0	110	10	4	12.5	21.0	68	18	8	10.0	14.0	49	14	12	5.0	8.0	18	4	0			16	4	6			26	6	8	5.0*	6.0	22	6	2	7.0	9.0
14	149			12.0	20.0	112			11.5*	17.5	78			15.0*	25.0	53	2	13	2.0	6.0	23*			3.0*	6.0						29*	7	3	2.5*	4.0	22	2	2	3.0	5.0
15	151	3	5	10.0*	16.5	112	6	5	8.5	14.5	68	23	7	6.0	10.5	46	9	9	4.5	10.5	22	10	4	5.5*	8.5	22	12	6	4.5*	9.0	33	5	3	3.5	5.0	24	3	3	3.0	4.5
16	151	4	7	9.0	14.5	110	9	5	9.0	15.0*	76	16	17	11.5	18.5*	45	13	8	5.0	9.0	26	13	5	3.5*	7.5	26	17	7	6.0	12.5	38	8	4	4.0	6.5	22	3	0	3.0	5.0
17	151	2	3	8.5	13.5	110	12	2	9.0	15.0*	81	17	11	12.5*	22.0	65	12	10	7.0	14.5	32	17	6	8.5	12.5	40	11	13	6.0	9.5	42	5	5	3.0	5.5	22	2	0	2.5	4.0
18	149	4	2	10.0	15.0	116	7	6	9.5	11.0*	90	15	8	8.5	21.5*	71	14	4	7.5	14.5	46	14	4	6.0*	11.0	46	12	8	5.5	10.0	42	8	4	3.0	5.5	22	2	0	3.5	5.0
19	151	6	2	10.0*	15.5	120	8	4	10.0	18.0	94	11	7	9.5	17.0	79	10	6	5.0	17.0	46	16	2	6.0	12.0	52	8	9	5.0	12.0	43	6	3	3.0*	5.0	22	2	0	3.5	4.5
20	153	4	4	8.0*	13.0	122	8	4	9.0	15.0*	96	9	4	8.5*	15.0	81	6	4	5.5	15.0*	54	12	6	6.5	11.5	52	8	8	5.0	10.0	44	2	4	4.0	7.5	22	1	0	3.0	4.5
21	153	3	2	6.5	14.0	122	6	2	9.0	15.0	98	9	4	7.0	13.0	81	8	4	5.0	13.0	54	12	4	5.5	11.0	50	8	4	5.5	10.0	42	4	2	4.5*	7.5	22	0	0	3.0	4.0
22	153	3	4	8.0	12.0	124	6	4	9.0	16.0	102	4	7	9.5*	17.0	83	5	8	6.0	17.0*	54	11	6	6.5*	12.0	50	8	8	5.5	10.0	42	4	2	4.0	8.0	22	0	0	3.0	4.5
23	153	4	2	7.0	11.0	124	7	2	10.0	16.0	100	7	4	8.0*	15.5	79	8	4	7.0	13.0	54	10	6	5.5	11.0	48	9	3	6.5	11.5	42	2	6	5.0	9.0	22	0	0	3.0	4.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia   Lat. 30.6S Long. 130.4E   Month October 19 62

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dl	Vdm	Ldm	.051 Fam	Du	Dl	Vdm	Ldm	.160 Fam	Du	Dl	Vdm	Ldm	.545 Fam	Du	Dl	Vdm	Ldm	2.5 Fam	Du	Dl	Vdm	Ldm	5 Fam	Du	Dl	Vdm	Ldm	10 Fam	Du	Dl	Vdm	Ldm	20 Fam	Du	Dl	Vdm	Ldm
00	157	4	2	7.5	11.5	131	8	4	8.5	15.0	108	13	6	9.5	15.0	93	10	11	10.0	16.5	66	8	14	8.5	14.5	58	6	8	6.5	12.5	44	6	5	4.0	6.0	21	2	0	2.5	3.5
01	157	4	2	8.0	12.0	131	9	2	13.0	19.0	108	12	6	8.0	15.0	90	11	9	8.0	15.0	67	7	15	8.0	13.5	57	6	7	6.5	11.0	43	12	7	4.5	7.0	21	2	0	3.0	3.5
02	157	4	2	9.0	13.5	133	6	6	9.5	17.0	107	11	6	9.5	17.0	87	10	7	9.5	12.5	64	6	14	7.0	13.0	56	6	7	5.5	10.0	41	5	4	4.0	7.0	21	2	0	3.0	2.0
03	157	4	2	9.5	15.0	131	8	4	10.0	16.0	106	10	7	10.0	16.0	87	10	8	10.0	18.5	64	6	10	7.5	13.5	55	4	5	5.5	10.0	39	9	8	4.5	7.5	21	0	0	3.0	3.0
04	157	2	4	9.0	15.0	129	8	4	11.0	18.5	102	13	5	8.5	18.5	83	14	7	9.5	12.0	62	8	10	7.5	13.0	54	2	6	5.0	9.0	37	4	8	4.0	6.5	21	0	0	3.0	3.0
05	157	2	4	9.5	15.5	127	7	6	9.5	15.5	96	12	13	9.5	15.5	65	19	19	10.5	18.0	58	8	13	9.5	15.0	54	2	6	5.0	9.0	39	6	8	3.0	6.5	21	0	0	3.0	3.5
06	154	3	3	9.5	15.5	119	11	3	10.0	16.0	84	27	11	14.0	23.5	43	28	2	9.0	13.5	44	13	8	9.0	15.0	44	7	9	7.5	11.5	39	4	7	3.5	6.0	21	2	1	3.0	4.0
07	151	4	2	11.0	17.0	113	17	8	13.5	21.0	81	27	17	10.5	18.5	47	42	6	7.0	10.0	36	26	14	13.0	18.0	32	23	10	8.0	16.0	33	7	4	4.0	6.5	21	7	0	2.5	4.0
08	152	5	5	11.0	17.5	113	20	8	11.5	20.5	78	28	14	12.5	21.0	45	33	4	9.0	11.5	22	21	2	6.0	7.5	22	24	8	11.5	14.0	29	8	7	3.5	5.5	21	2	0	3.0	5.0
09	152	9	5	12.0	19.5	113	20	6	12.0	20.0	78	28	12	10.5	19.5	51	29	10	10.5	20.5	20	25	0			27	20	10	9.5	18.0	27	10	2	4.5	6.0	21	4	2	3.0	4.0
10	151	9	5	14.0	21.0	115	12	6	13.5	23.0	86	20	18	8.5	17.0	51	27	10	8.5	17.0	20	28	0	5.5	7.5	24	20	9	11.0	18.0	29	10	4	5.0	6.5	21	4	0	3.0	4.0
11	151	8	3	19.0	20.5	118	22	7	12.5	19.5	83	35	15	7.0	12.0	53	19	12	7.0	12.0	21	18	1	7.0	9.5	22	31	7	12.5	16.0	27	10	4	4.0	5.5	21	4	0	3.0	4.0
12	153	16	4	15.0	21.0	123	19	10	12.0	20.0	89	39	19	8.5	12.5	55	44	12	6.0	10.5	20	61	0	7.5	11.5	24	17	8	9.0	12.0	29	21	6	4.0	6.0	21	4	0	5.0	6.0
13	155	7	6	12.5	19.5	125	20	8	11.0	19.0	100	28	26	4.5	8.5	57	48	13	7.0	6.0	20	47	0	12.0	19.0	26	30	9	10.5	18.0	31	15	6	6.0	9.0	23	6	2	2.5	4.0
14	157			10.5	17.5	131	19	16	8.5	15.0	103	22	25	9.0	15.0	59	39	14	2.5	9.0	21			8.0	9.0	36	22	16	6.0	11.5	36	9	7	5.5	9.5	23	6	2	3.0	4.0
15	157	7	3	9.0	15.0	125	18	12	8.0	14.0	92	26	15	9.0	15.0	55	33	10	3.0	5.5	22	45	2	7.0	13.0	31	24	9	6.5	11.5	37	6	4	5.0	7.5	25	4	4	4.0	5.0
16	156	6	3	8.5	14.5	125	19	10	7.0	12.5	95	25	18	6.5	11.5	55	37	12	7.0	10.5	29	28	8	5.0	10.5	40	12	13	5.0	9.0	43	5	6	4.5	8.0	25	8	2	2.5	4.0
17	156	5	5	9.0	15.0	127	12	18	10.0	15.5	100	21	16	9.0	18.0	69	34	17	6.0	11.0	47	31	16	6.5	11.0	51	14	12	5.0	10.0	45	8	4	4.0	7.0	25	10	2	3.5	5.5
18	156	10	5	9.5	15.0	127	16	10	9.0	16.0	106	17	10	9.0	15.5	85	16	11	5.0	10.0	58	18	14	4.0	7.5	55	10	7	4.5	8.0	47	4	3	4.5	7.0	23	4	0	4.0	6.0
19	156	5	3	9.0	15.0	131	10	8	9.0	15.0	108	11	10	7.5	14.5	91	11	14	6.0	12.5	64	11	12	5.5	10.0	59	8	11	4.5	10.0	47	4	4	3.0	5.5	23	4	2	3.0	3.0
20	157	4	4	9.5	15.0	131	10	7	8.0	14.0	106	12	6	8.5	16.5	89	12	7	6.5	13.5	66	8	16	5.0	11.0	58	9	12	5.0	9.0	47	4	4	4.0	7.0	23	4	0	3.0	3.0
21	157	4	4	10.0	15.0	131	9	5	9.0	15.0	108	11	8	8.0	14.0	91	10	6	6.0	11.0	66	8	17	6.5	13.0	60	7	9	6.0	11.0	47	15	5	5.0	8.0	23	2	2	2.5	3.0
22	156	5	3	9.0	13.0	131	8	4	10.0	18.5	108	11	8	10.0	18.5	93	7	10	7.0	13.5	65	9	9	7.0	13.0	58	6	8	6.0	12.5	47	11	5	5.0	8.5	23	2	2	3.0	4.0
23	157	4	4	8.0	12.0	131	7	4	10.0	16.0	109	10	6	9.0	16.0	91	8	9	7.0	15.0	66	8	14	7.5	13.5	58	6	8	7.0	11.5	45	5	4	4.0	7.0	21	2	0	4.0	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia   Lat. 30.6S. Long. 130.4E.   Month November 1962

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm
00	157	4	2	8.0	13.5	132	4	6	9.0	16.5	108	5	6	6.5	13.0	86	8	7	6.0	13.0	64	9	5	6.0	13.0	55	6	2	5.0	9.0	49	2	6	4.0	6.5	23	2	1	2.5	4.5
01	157	3	2	7.5	13.0	130	6	4	8.5	16.0	106	7	6	2.0	14.0	85	10	6	7.0	14.0	66	6	8	5.0	9.5	57	5	4	4.5	8.0	46	4	3	4.0	7.0	23	2	2	2.5	4.5
02	157	4	2	7.5	15.0	130	4	4	9.5	17.0	104	8	5	8.0	16.0	82	7	6	9.0	15.0	64	7	6	5.0	9.0	57	4	6	4.5	8.0	43	5	4	4.5	7.5	21	3	0	2.5	4.0
03	157	4	2	9.0	15.0	130	4	4	10.0	16.0	104	6	6	7.5	12.0	80	10	6	7.0	14.0	64	6	8	5.0	7.5	57	5	4	5.0	10.0	43	5	6	5.0	7.5	23	0	2	3.0	4.5
04	157	3	3	9.0	16.5	128	8	4	10.0	16.5	102	10	10	9.5	17.5	72	8	6	8.5	18.5	62	9	6	6.0	11.0	59	3	6	4.5	8.5	41	4	7	3.5	6.5	23	0	2	2.5	4.0
05	157	3	4	10.0	16.0	122	8	3	10.0	17.0	82	14	6	11.0	17.5	42	27	2	7.5	13.0	56	5	14	7.5	13.0	51	4	2	3.0	8.0	39	10	0	3.0	5.5	23	1	2	2.5	4.0
06	155	3	4	10.0	15.0	120	8	7	10.5	19.0	74	18	11	6.0	19.0	42	21	2	6.0	11.5	37	9	8	12.5	24.5	39	7	4	5.0	9.0	35	6	4	2.5	5.0	23	3	2	2.5	4.5
07	155	2	4	10.0	20.5	118	7	8	11.0	19.0	74	24	11	6.0	11.0	44	19	4	11.0	18.0	26	8	4	12.5	18.0	27	11	8	7.5	12.5	33	7	2	3.0	5.5	23	4	2	3.0	5.0
08	153	4	4	12.0	19.0	116	10	8	12.0	20.0	76	24	12	12.0	20.0	46	16	6	11.5	17.5	24	16	2			23	20	4	7.0	11.0	29	7	4	4.0	5.5	23	4	2	4.5	7.0
09	153	5	5	13.0	20.5	114	17	7	12.0	21.0	78	27	13	2.0	21.0	45	23	5	4.5	5.0	24	11	2	4.5	7.5	19	11	4	9.0	13.0	27	8	4	3.5	6.0	23	2	2	2.5	4.0
10	153	5	4	12.0	20.0	120	7	14	11.0	20.5	80	14	15	9.5	20.5	44	19	4	9.5	14.0	24	13	2	8.5	12.0	17	14	4	4.0	5.5	25	5	2	5.0	5.5	23	2	2	3.5	5.0
11	153	4	6	14.0	22.0	122	8	10	13.0	21.5	80	26	9	6.0	21.5	52	22	12	3.5	4.0	22	10	0	3.5	4.0	17	14	4	5.5	7.5	25	7	2	3.0	7.0	21	4	2	4.0	7.0
12	155	4	6	10.0	16.0	126	6	10	9.5	15.5	88	18	12	6.0	15.5	52	26	10	11.5	20.0	22	15	0	11.5	20.0	19	17	6	4.0	6.5	27	6	6	4.0	6.5	23	4	2	4.0	6.0
13	155	4	2	9.5	15.0	124	10	6	7.0	11.5	90	16	16	5.0	11.5	57			13.5	21.0	22	17	0	13.5	21.0	21	19	6	4.0	10.0	30			4.5	6.5	23			3.0	5.0
14	157			6.5	11.5	129			6.0	10.0	92			6.0	10.0	56			15.0	24.0	25			15.0	24.0	26			6.0	12.0	31			4.5	7.0	25			3.0	5.0
15	159			8.5	12.5	126			3.5	6.5	90			6.0	11.0	48			3.0	6.5	24			2.5	7.0	27			5.0	7.5	35	10	0	3.5	7.0	27	8	4	4.5	7.0
16	159	5	4	7.0	12.5	128	8	5	5.0	9.0	90	24	6	5.0	10.0	47	35	6	3.0	7.0	26	39	4	3.0	7.0	35	6	6	5.0	9.0	33	7	7	5.0	8.0	27	7	4	3.0	5.5
17	157	6	2	7.5	13.0	128	6	8	5.0	9.5	92	22	10	5.0	8.5	53	23	7	2.5	8.5	40	17	9	2.5	5.0	43	11	6	4.5	8.5	37	6	6	4.5	7.5	27	6	2	4.0	6.0
18	155	6	2	8.0	12.0	126	8	8	7.0	12.5	102	14	14	5.5	11.0	72	8	19	3.0	11.0	52	12	10	3.0	6.0	53	8	4	4.5	7.5	37	6	4	4.5	7.0	27	4	2	3.5	6.5
19	157	4	6	10.0	16.5	129	7	7	7.0	13.0	108	6	16	6.0	13.0	84	7	8	5.0	13.0	64	6	10	5.0	10.0	57	6	4	4.0	7.0	39	4	4	4.0	8.5	25	6	2	3.0	4.5
20	157	6	4	7.0	15.5	130	8	4	8.0	15.5	106	8	8	6.5	14.0	86	10	12	6.5	14.0	65	9	9	5.0	14.0	59	6	4	4.5	9.0	39	4	4	4.5	7.5	25	4	2	2.5	4.0
21	159	2	8	9.0	15.0	130	6	6	8.0	16.0	108	10	10	8.0	11.0	88	8	12	3.5	7.5	66	6	9	3.5	7.5	61	4	6	5.0	10.0	41	18	4	11.0	16.5	23	4	0	2.5	4.5
22	157	4	6	8.5	14.0	131	7	5	8.0	16.0	108	8	8	7.5	15.0	88	7	8	6.0	12.5	66	6	8	4.0	9.0	57	2	6	4.0	9.0	58	15	13	9.0	16.0	23	2	1	5.0	7.5
23	157	4	2	9.5	17.0	130	9	4	7.5	16.0	108	8	7	7.0	14.5	88	8	9	5.5	11.5	66	6	6	7.0	13.0	57	7	4	5.0	9.0	47	5	5	5.0	8.0	23	2	0	3.0	5.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat __50-60N__ Long __37.5-52.5W__ Month __April__   19 _62_

Frequency (Mc)

Hour (LST)						2.5 Fam*	Du	Dℓ	Vdm	Ldm	5 Fom*	Du	Dℓ	Vdm	Ldm	10 Fam*	Du	Dℓ	Vdm	Ldm	20 Fom*	Du	Dℓ	Vdm	Ldm
00						55					50					42					26				
01						51					45					44					30				
02						49					45					52					30				
03						47					51					38					30				
04						51					53					36					26				
05						41					42					37					28				
06						40					36					38					29				
07						41					42					43					29				
08						37					39					34					24				
09						43					31					32					24				
10						37					35					32					26				
11						35					34					30					26				
12						37					37					34					28				
13						47					36					36					40				
14						36					35					34					26				
15						39					35					46					25				
16						39					38					46					26				
17						45					43					47					26				
18						47					49					54					27				
19						55					58					56					28				
20						59					58					46					29				
21						57					59					46					28				
22						55					56					44					28				
23						47					49					48					28				

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. __40-50N__ Long.__67.5-82.5W__ Month __April__   19 __62__

Frequency (Mc)

Hour (LST)	2.5 Fam*	Du	Dl	Vdm	Ldm	10 Fam*	Du	Dl	Vdm	Ldm	20 Fam*	Du	Dl	Vdm	Ldm
00	77					46					28				
01	81					48					28				
02	73					62					28				
03	55					52					30				
04	49					42					28				
05	45					32					30				
06	35										28				
07											28				
08											30				
09											26				
10	45										24				
11	63														
12															
13															
14											28				
15															
16															
17															
18															
19	81					64					26				
20	81					74					28				
21	79					70					26				
22	75					72					28				
23	75					70					24				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat __40-50N__ Long __52.5-67.5W__ Month __April__ 19 _62_

Frequency (Mc)

Hour (LST)	Fom	Du	DL	Vdm	Ldm	Fom* (2.5)	Du	DL	Vdm	Ldm	Fom* (5)	Du	DL	Vdm	Ldm	Fom* (10)	Du	DL	Vdm	Ldm	Fom* (20)	Du	DL	Vdm	Ldm
00						63					66					60					26				
01						64					61					70					24				
02						63					59					53					30				
03						47					55					53					22				
04						42					53					57					25				
05						31					48					54					25				
06						42					44					50					25				
07						35					43					48					22				
08						35					42					46					44				
09						32										46					24				
10						37										40					26				
11						33										46					26				
12						45										32					26				
13						45										50					28				
14						55					59					58					26				
15						51					67					59					26				
16						67					69					63					34				
17						72					77					64					26				
18						85					77					67					28				
19						79					75					65					32				
20						73					75					68					28				
21						73					69					56					32				
22						71					75					62					30				
23						67					69					65					26				

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. 40-50N Long. 37.5-52.5W Month __April__ 19 62

Frequency (Mc)

Hour (LST)	2.5 Fam*	Du	Dℓ	Vdm	Ldm	5 Fam*	Du	Dℓ	Vdm	Ldm	10 Fam*	Du	Dℓ	Vdm	Ldm	20 Fom*	Du	Dℓ	Vdm	Ldm
00	82					72					54					31				
01	81					69					48					28				
02	79					71					48					29				
03	79					67					50					28				
04	79					69					45					32				
05	71					64					53					30				
06	59					51					53					29				
07	40					43					47					28				
08	41					39					40					28				
09	43					44					37					26				
10	34					29					34					26				
11	37					30					33					26				
12	32					30					36					25				
13	42					31					39					26				
14	37					31					46					26				
15	31					35					37					28				
16	57					51					41					28				
17	57					56					54					28				
18	61					64					54					32				
19	71					69					57					30				
20	77					69					58					32				
21	77					73					57					29				
22	75					69					56					30				
23	77					68					53					29				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. 20-30N Long. 67.5-82.5W Month __May__ 19 __62__

Frequency (Mc)

Hour (LST)	.013 Fam*	Du	DL	Vdm	Ldm	.051 Fam*	Du	DL	Vdm	Ldm	.160 Fam*	Du	DL	Vdm	Ldm	.495 Fam*	Du	DL	Vdm	Ldm	2.5 Fam*	Du	DL	Vdm	Ldm	5 Fam*	Du	DL	Vdm	Ldm	10 Fam*	Du	DL	Vdm	Ldm	20 Fam*	Du	DL	Vdm	Ldm
00	150					140					121					97					80					60					53					27				
01	145					135					117					97					79					55					44					26				
02	145					136					116					93					79					55					43					26				
03	145					141					116					93					80					67					45					26				
04	145					136					118					95					81					67					44					31				
05	136					123					99					77					78					63					45									
06	136					123					103					81					64					53					51									
07	142					127					109					81					54					49										32				
08	148					129					109					83					50					43					49					32				
09	148					127					111					83					58					41					43					32				
10											111					77															41					30				
11	152					133					115					83					50					37					53					28				
12	154					137					117					83					57					41					45					30				
13	155					139					122					83					63					45					51					30				
14	153					139					122					98					69					47					50					37				
15	153					127					129					77					67					45					56					35				
16	127					115					110					91					67					49					58					38				
17	151					133					113					92					65					55					56					37				
18	149					131					110					94					66					59					60					37				
19	149					133					115					91					73					67					64					38				
20	150					137					112					77					82					67					53					32				
21	127					145					111					84					84					68					52					32				
22	130					128					110					86					83					67					57					32				
23	155					141					122					97					84					70					57					28				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat.10-20N Long.67.5-82.5W Month __May__ 19_62_

Frequency (Mc)

Hour (LST)	.013 F*am	Du	Dℓ	Vdm	Ldm	.051 F*am	Du	Dℓ	Vdm	Ldm	.160 F*am	Du	Dℓ	Vdm	Ldm	.495 F*am	Du	Dℓ	Vdm	Ldm	2.5 F*am	Du	Dℓ	Vdm	Ldm	5 F*am	Du	Dℓ	Vdm	Ldm	10 F*am	Du	Dℓ	Vdm	Ldm	20 F*am	Du	Dℓ	Vdm	Ldm
00	153					141					121					103					79					64					51					30				
01	149					138					121					102					77					64					51					27				
02	149					140					121					102					77					67					55					28				
03	149					141					122					100					75					68					53					27				
04	150					143					122					97					78					65					53					26				
05	156					143					121					103					77					62					45					28				
06	152					143					123					97					60					58					43					27				
07	150					131					108					89					60					47					42					28				
08	152					131					111					87					57					42					40					28				
09	150					129					113					90					58					39					38					28				
10	140																				56																			
11						135					109					91																								
12	154					141					131					91					71					54					38					36				
13	154					147					125					105					77					53					39					35				
14	158					143					125					103					73					54					45					39				
15	158					143					125					105					74					54					39					41				
16	158					144					127					101					73					56					43					36				
17	158					143					123					99					73					60					55					41				
18	158					143					121					101					75					63					56					34				
19	156					141					125					103					80					68					51					34				
20	156					147					129					105					81					73					54					33				
21	152					141					123					103					82					70					54					33				
22	154					143					123					105					81					72					50					28				
23	154					142					122					102					81					67					55					28				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. 0-10N Long.67.5-82.5W Month __May__ 19_62_

Frequency (Mc)

Hour (LST)	.013 Fam*	Du	Dℓ	Vdm	Ldm	.051 Fam*	Du	Dℓ	Vdm	Ldm	.160 Fam*	Du	Dℓ	Vdm	Ldm	.495 Fam*	Du	Dℓ	Vdm	Ldm
00	158	150				151					135					111				
01	160	160									139					115				
02																				
03																				
04																				
05	160					147					131					107				
06	156					157					133					101				
07	156					149					127					103				
08	154					151					129					99				
09	156					149					133					99				
10	158					149					131					105				
11	156					147					131					103				
12	152					141					129					103				
13	154					139					121									
14	158					147					139					112				
15	164					147					135					107				
16	160					149					129					101				
17	156					149					131					99				
18	158					145					133					113				
19	158					145					127					101				
20	156					143					125					105				
21	160										133					107				
22	160										131					107				
23	159					150					132					109				

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. _0-10N_ Long._67.5-82.5w_ Month _June_ 19_62_

Frequency (Mc)

Hour (LST)	.013 Fom*	Du	Dℓ	Vdm	Ldm	.051 Fom*	Du	Dℓ	Vdm	Ldm	.160 Fom*	Du	Dℓ	Vdm	Ldm	.495 Fom*	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	169					150					134					110																			
01	149					151					136					112																			
02	169					151					134					110																			
03	169					152					132					102																			
04	169					153					128					104																			
05	169					151					126					102																			
06	165					149					124					104																			
07	163					147					124					102																			
08	163					141					122					98																			
09	161					143					124					98																			
10	160					141					125					102																			
11	156					139					128					105																			
12	159					152					138					112																			
13	161					141					129					112																			
14	161					151					124					94																			
15	161					147					126					101																			
16	157					147					123					104																			
17	155					144					128					106																			
18	165					145					128					98																			
19	167					149					128					102																			
20	167					149					128					104																			
21	169					151					126					108																			
22	169					150					130					108																			
23	170					151					132					110																			

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

USCOMM-NBS-N

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MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. __0–10S__   Long. __67.5–82.5W__ Month __June__ 19 __62__

Frequency (Mc)

Hour (LST)	.013 F*am	Du	Dℓ	V*dm	Ldm	.051 F*am	Du	Dℓ	V*dm	Ldm	.160 F*am	Du	Dℓ	V*dm	Ldm	.495 F*om	Du	Dℓ	V*dm	Ldm	2.5 F*am	Du	Dℓ	V*dm	Ldm	5 F*am	Du	Dℓ	Vdm	Ldm	10 F*am	Du	Dℓ	Vdm	Ldm	20 F*am	Du	Dℓ	Vdm	Ldm
00	157			9.0	15.0	139			7.0	13.0	119			5.5	10.5	100			6.0	9.5	72					66					39					30				
01	159			8.0	14.0	141			9.0	13.0	119			5.0	10.0	100			6.5	11.0	74					68					39					30				
02	159			9.0	14.5	141			8.0	12.0	120			5.5	10.5	98			6.0	10.5	74					69					41					28				
03	157			8.5	14.0	141			8.0	14.0	119			6.0	10.5	96			6.5	11.5	74					69					36					28				
04	157			7.5	14.5	141			7.0	13.5	121			6.5	12.0	96			8.5	12.0	74					68					41					30				
05	157			11.0	16.0	141			10.0	15.5	117			8.0	14.0	94			12.0	11.0	72					65					33					28				
06	157			10.0	16.0	135			10.5	12.5	97			6.5	13.0	66			8.0	2.0	68					61					37					28				
07	155			10.0	17.0	127			10.0	17.0	89			10.0	14.5	62					56					58					35					28				
08	155			12.0	17.5	123			11.0	12.0	94			9.5	17.0	61					44					53					32					28				
09	153			11.0	16.5	124			11.5	19.0	93			12.0	19.0	61			2.5	10.0	35					44					28					27				
10	154			11.0	17.5	126															33					39					25					28				
11	155			11.5	17.0	123			11.0	16.0	92			10.0	17.5	64			6.0	6.0	40					37					25					28				
12	157			11.0	15.0	127			11.0	12.5	91			10.0	17.0	64			5.5	9.0	36					41					25					28				
13	157			9.0	16.0	129			8.5	15.0	95			9.5	15.0	64			7.0	13.0	42					42					27					30				
14	157			8.5	14.0	129			9.5	14.5	95			9.5	14.5	64			11.0	15.5	38					44					24					31				
15	157			6.0	11.0	130			8.0	13.0	95			8.0	13.0	66			4.5	4.0	37					45					27					32				
16	159			7.0	11.5	129			7.5	15.0	93			9.0	15.0	66			7.5	10.0	42					55					35					32				
17	157			6.5	11.5	127			8.0	14.0	90			8.5	14.5	74			16.5	16.5	58					63					34					36				
18	155			6.5	11.0	127			9.0	14.0	107			10.0	15.0	88			9.5	10.5	64					73					39					32				
19	153			8.0	13.5	133			10.0	16.5	113			8.0	13.5	96			8.0	12.0	68					75					37					30				
20	157			7.0	13.0	137			9.0	12.5	115			7.0	12.0	98			5.5	12.0	70					75					39					30				
21	159			7.0	12.0	139			8.0	13.0	117			5.5	10.0	98			7.0	12.0	72					67					39					34				
22	158			9.0	14.5	140			8.0	12.5	118			5.0	9.0	99			6.5	11.5	71					69					38					36				
23	157			8.0	14.0	141			8.0	12.0	117			5.0	8.5	100			5.5	11.0	76					69					43					32				

F*am = median value of effective antenna noise in db above ktb
Du = ratio of upper decile to median in db
Dℓ = ratio of median to lower decile in db
V*dm = median deviation of average voltage in db below mean power
Ldm = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. __0-10S__ Long. __82.5-97.5w__ Month __June__   19 _62_

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fom	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fom	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fom	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm	2.5 Fom	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fom	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fom	20 Du	20 Dℓ	20 Vdm	20 Ldm
00																																								
01																																								
02																																								
03																																								
04																																								
05																																								
06																																								
07																																								
08	157			13.0	19.0	125					100					97					56					46					41					49				
09	155			13.0	19.0																56																			
10																68					40					38					23					28				
11	157					131					101					70					40					38					23					28				
12	159					133					101					76					32					50					27					30				
13	161					135					103					76					34					44					31					34				
14	163					137					103					78					50					44					31					34				
15	161					133					103			8.5	15.0	74										48					31					32				
16	159			7.0	15.0	131			6.5	12.5	101					76					60					52					37					34				
17	159			6.5	11.5	131					107			9.0	16.5	88					86					76					39					32				
18	157			9.5	12.0	137			7.5	13.5	115			8.5	15.5	102					74					90					37					32				
19	159			9.5	12.0	141			6.5	13.0	117					100			5.5	12.0	76					86					41					32				
20	159					139					119			6.5	13.5	102			5.0	11.5	76					68					39					30				
21	159			5.0	10.0	141			6.5	12.0	121			5.0	11.0	104					74					66					39					34				
22																																								
23																																								

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. 10-20S Long. 67.5-82.5W Month __June__ 19 62

Frequency (Mc)

Hour (LST)	.013 Fam*	Du	Dl	Vdm*	Ldm	.051 Fam*	Du	Dl	Vdm*	Ldm	.160 Fam*	Du	Dl	Vdm*	Ldm	.495 Fam*	Du	Dl	Vdm*	Ldm	2.5 Fam*	Du	Dl	Vdm	Ldm	5 Fam*	Du	Dl	Vdm	Ldm	10 Fam*	Du	Dl	Vdm	Ldm	20 Fam*	Du	Dl	Vdm	Ldm
00	152			7.5	13.0	131			7.5	12.5	116			5.5	15.5	95			7.0	12.5	69					62					42					31				
01	152			9.5	15.0	133			7.5	12.5	116			7.5	13.0	96			8.0	12.5	68					61					37					31				
02	153			10.0	16.0	133			6.0	12.0	114			6.5	11.0	94			16.0	13.5	67					61					42					29				
03	154			10.0	16.0	133			8.0	13.0	113			5.5	10.5	92			8.0	12.0	68					63					39					30				
04	154			10.5	16.0	131			9.0	14.5	112			6.0	11.5	90			9.5	12.0	65					63					36					29				
05	154			10.5	18.0	133			9.0	15.0	108			8.0	13.5	80			7.0	11.5	64					61					37					31				
06	154			11.0	17.0	125			12.0	12.0	87					64			2.0	5.5	60					61					35					30				
07	150			12.0	17.0	113			12.0	17.0	80			14.0	18.5	60			4.0	6.5	40					71					33					29				
08	150					107					80			14.5	20.0	62			3.0	7.5	36					61					29					28				
09	152					107			14.0	20.5	86			17.0	22.0	66			3.0	6.5	32					41					28					28				
10	151			13.5	20.0	113					84			16.0	20.0	63					32					31					23					29				
11	154			12.5	18.0	115					90					70					30					31					23					27				
12	156			12.5	19.0	116			12.0	18.5	86					66					30					61					25					26				
13	156			10.0	15.5	117			11.0	17.5	90			13.0	19.5	68					32					63					25					28				
14	154			11.0	14.5	119			10.0	15.0	82			15.0	22.5	64					35					43					27					28				
15	156			9.5	15.0	117			12.0	17.0	86					64					34					60					28					30				
16	154			8.5	14.0	115			11.0	16.5	84					68					44					63					31					30				
17	154					113			10.5	15.5	90					80			8.5	15.5	58					68					45					32				
18	151			8.0	13.0	116			10.0	15.0	102			13.5	21.5	89					65					73					39					32				
19	151			9.0	13.5	122			10.0	15.5	104			11.5	19.5	89			9.0	17.0	67					78					42					33				
20	152					125			8.0	13.0	106					90					68					75					43					30				
21	152					129			9.0	13.5	109			6.5	11.0	90			8.5	15.0	68					73					41					32				
22	152					128			8.0	12.0	110			6.0	10.5	92					66					72					41					30				
23	152					129			7.5	11.0	113			6.5	11.0	94					66					74					44					30				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. 20-30S   Long. 67.5-82.5W   Month __June__ 19_62_

Frequency (Mc)

Note: within each frequency block the column order is Fam*, Du, Dl, Vdm*, Ldm*. The Du and Dl columns are blank throughout; frequencies 2.5, 5, 10 and 20 Mc show only Fam*.

Hour (LST)	.013 Fam*	.013 Vdm*	.013 Ldm*	.051 Fam*	.051 Vdm*	.051 Ldm*	.160 Fam*	.160 Vdm*	.160 Ldm*	.495 Fam*	.495 Vdm*	.495 Ldm*	2.5 Fam*	5 Fam*	10 Fam*	20 Fam*
00	146	8.5	14.0	125	7.0	13.5	106	6.0	11.5	88	7.5	13.0	63	57	47	28
01	146	9.0	13.5	125	9.0	15.0	106	6.0	11.5	86	6.0	12.0	64	59	47	30
02	140	9.5	14.5	125	8.0	14.0	104	6.0	12.0	86	6.0	12.0	66	59	49	28
03	140	10.0	15.5	121	9.0	15.5	106	6.0	13.0	86	7.0	15.0	66	57	47	28
04	144	9.5	15.5	127	9.0	15.0	104	7.0	14.5	84	8.0	15.0	64	57	44	28
05	140	10.0	16.0	125	11.0	18.5	100	9.5	17.0	72	11.5	19.5	64	57	41	28
06	141	12.5	17.5	114	12.5	19.0	81	10.5	20.0	59	5.0	9.0	53	61	43	28
07	141	12.0	18.0	110	12.0	19.0	71	14.0	19.0	58	9.5	17.0	40	49	37	28
08	140	12.5	18.5	103	13.0	19.5	73	15.0	20.5	56	18.0	21.5	31	39	35	28
09	148	12.5	19.0	102	12.0	17.0	76	14.5	22.5	54	6.5	10.5	33	36	35	28
10	150	13.0	19.5	107	12.5	18.5	81	15.0	18.0	58	8.0	10.0	32	33	31	28
11	148	12.5	20.0	111	13.0	19.5	82	13.5	21.0	58	16.0	19.5	32	33	29	28
12	152	12.0	18.0	111	12.5	20.0	82	11.5	18.0	58	11.0	15.0	32	33	25	28
13	154	9.5	15.0	113	10.0	16.5	83	16.5	22.5	59			30	34	32	31
14	154	10.0	16.5	113	11.0	18.0	84	11.0	16.0	62	6.0	8.0	30	37	37	30
15	155	7.5	13.0	113	8.5	13.0	81	13.0	17.0	64	7.5	11.0	37	42	35	30
16	154	7.0	12.0	109	10.0	15.0	83	10.5	19.0	74	7.0	12.0	57	53	46	30
17	148	7.5	12.5	109	9.0	15.0	93	7.0	16.0	84	8.0	14.0	56	60	47	32
18	148	7.5	12.0	113	9.5	15.0	96	8.0	15.0	86	5.5	11.0	60	70	54	32
19	149	7.5	13.0	118	8.0	13.5	99	7.5	14.0	86	6.5	12.5	62	66	53	30
20	148	8.0	13.0	119	6.5	11.0	102	6.5	12.0	86	8.5	14.5	64	72	56	31
21	144	8.0	13.5	120	8.0	12.0	103	6.0	12.0	89	7.5	14.0	65	63	53	30
22	143	9.5	15.0	123	7.5	13.0	105	5.5	9.5	88	6.5	13.0	64	64	50	29
23	146	9.0	15.0	125	8.5	13.5	106	6.5	13.0	88	5.5	10.0	64	63	53	30

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. 30-40S Long. 67.5-82.5W Month __June__   19 __62__

Frequency (Mc)

Hour (LST)	.013 F*am	Du	Dℓ	Vdm	Ldm	.051 F*am	Du	Dℓ	Vdm	Ldm	.160 F*am	Du	Dℓ	Vdm	Ldm	.495 F*am	Du	Dℓ	Vdm	Ldm	2.5 F*am	Du	Dℓ	Vdm	Ldm	5 F*am	Du	Dℓ	Vdm	Ldm	10 F*am	Du	Dℓ	Vdm	Ldm	20 F*am	Du	Dℓ	Vdm	Ldm
00																					70					59					44					28				
01																					73					59					43					28				
02																					68					61					47					28				
03																					70					59					45					26				
04																					68					57					41					26				
05																					68					60					43					27				
06						111					84					74					61					57					51					30				
07						105					84					76					59					55					49					30				
08						109					84					64					61					55					47					32				
09											94					74					64					57					49					33				
10						119					100										71					53					53					34				
11						119					112					90					62					47					45					34				
12																					60					49					47					38				
13																					71					55					57					38				
14																					79					48					57					40				
15																					62					54					58					35				
16																					70					57					57					36				
17																					68					60					59					36				
18																					68					63					55					32				
19																					70					61					53					30				
20																					74					65					56					38				
21																					70					63					53					30				
22																					73					64					50					28				
23																					69					61					45					30				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. 30-40S Long.67.5-82.5W Month __July__   19 62

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F*om	Du	Dℓ	Vdm	Ldm	F*om	Du	Dℓ	Vdm	Ldm	F*om	Du	Dℓ	Vdm	Ldm	F*om	Du	Dℓ	Vdm	Ldm
00	150					134					112					88				
01	148					129					111					84				
02	152					132					111					86				
03	154					130					111					84				
04	156					132					107					84				
05	156					132					108					84				
06	157					128					98					62				
07	155					117					91					69				
08	152					112					87					68				
09	153					108					83					65				
10	152					108					87					66				
11	152										85					66				
12	152					106					87					68				
13	152					108					87					66				
14	152					108					84					68				
15	152					107					84					62				
16	156					106					87					64				
17	154					110					85					80				
18	149					110					97					81				
19	149					114					93					82				
20	141					113					99					83				
21	143					121					104					88				
22	145					125					108					85				
23	148					128					109					86				

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __40-50S__ Long. __67.5-82.5W__ Month __July__ 19 __62__

Frequency (Mc)

Hour (LST)	.013 Fom*	Du	Dℓ	Vdm	Ldm	.051 Fom*	Du	Dℓ	Vdm	Ldm	.160 Fam*	Du	Dℓ	Vdm	Ldm	.495 Fom*	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	144					122					101					76														
01	136					117					93					76														
02	138					116					92					72														
03	142					113					93					75														
04	133					112					85					68														
05	134					108					81					64														
06	130					100					77					62														
07	130					96					77					80														
08	134					98					79					60														
09	130					104					83					60														
10	134					104					79					58														
11	136					106					82					54														
12	140					107					86					63														
13	142					109					84					66														
14	135					110					79					63														
15	135					102					79					66														
16	128					98					83					72														
17	134					102					87					74														
18	136					100					89					78														
19	142					112					93					81														
20	142					113					101					82														
21	138					116					101					82														
22	138					115					100					75														
23	142					120					100					79														

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat __50-60S__ Long __52.5-67.5W__ Month __July__ __1962__

Frequency (Mc)

Hour (LST)	.013 Fom*	Du	Dℓ	Vdm	Ldm	.051 Fam*	Du	Dℓ	Vdm	Ldm	.160 Fam*	Du	Dℓ	Vdm	Ldm	.495 Fom*	Du	Dℓ	Vdm	Ldm	2.5 Fam*	Du	Dℓ	Vdm	Ldm	5 Fam*	Du	Dℓ	Vdm	Ldm	10 Fam*	Du	Dℓ	Vdm	Ldm	20 Fom*	Du	Dℓ	Vdm	Ldm
00	133					114					80					73					51					49					12					28				
01	146					106					92					69					53					47					13					27				
02	132					98					80					64					51					49					11					27				
03	132					92					86					68					51					49					12					27				
04	132					98					84					62					51					56					11					26				
05	139					96					82					64					49					57					13					28				
06	136					90					77					59					49					60					17					26				
07	135					92					75					56					39					59					13					28				
08	128					96					76					59					37					42					11					28				
09	124					90					74					50					36					29					9					26				
10	132					90					74					53					34					33					9					26				
11	134					90					74					52					35					31					8					27				
12	136					91					74					59					47					38					9					26				
13	138					92					75					54					55					41					11					26				
14	131					94					74					67					52					43					13					26				
15	137					92					74					65					51					47					11					28				
16	136					94					76					66					53					48					12					28				
17	140					94					78					68					49					46					14					28				
18	141					102					80					70					49					50					14					28				
19	145					104					83					73					51					49					17					28				
20	146					104					84					72					49					51					15					28				
21	141					105					84					72					52					52					13					28				
22	141					104					86					72					52					48					14					27				
23	135					101					84					74					53					50					11					27				

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. 50-60S Long. 67.5-82.5W Month __July__   19 62

Frequency (Mc)

Hour (LST)	.013 Fam*	Du	Dℓ	Vdm	Ldm	.051 Fam*	Du	Dℓ	Vdm	Ldm	.160 Fam*	Du	Dℓ	Vdm	Ldm	.495 Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm
00	141					109					90					84																			
01	144					107					87					78																			
02	135					118					88					80																			
03	140					112					88					78																			
04	141					111					86					76																			
05	137					103					84																								
06	135					101					74					70																			
07	152					93					79					56																			
08	148					92					74					58																			
09	143					94					74					60																			
10	150					93					75					54																			
11						98					74																								
12	140					96					74																								
13						90					74																								
14	144					90					74																								
15	139					93					77					63																			
16	139					93					79					77																			
17	134					98					77					75																			
18	132					108					83					75																			
19	156					122					87					72																			
20						128					86					77																			
21	148										83					72																			
22	146					122					98					80																			
23	146					116					95					84																			

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. 60-70S Long.52.5-67.5wMonth __July__   19_62_

Frequency (Mc)

Hour (LST)	.013 Fom*	Du	Dℓ	Vdm	Ldm	.051 Fom*	Du	Dℓ	Vdm	Ldm	.160 Fom*	Du	Dℓ	Vdm	Ldm	.495 Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm
00	144					116					96					76														
01	140					118					98					80														
02	144					120					102					82														
03	146					120					102					80														
04	146					122					96					74														
05	146					120					92					76														
06	148					120					94					64														
07	142					112					90					62														
08	144					110					92					68														
09	150					118					100					62														
10	146										90					58														
11	146					102					84					56														
12	144					102					82					56														
13	114					90					74					58														
14	124					90					74					62														
15	124					92					74					72														
16	126					98					78					74														
17	128					96					78					66														
18	118					100					84					76														
19	138					104					90					80														
20	138					92					84					76														
21	140					101					88					75														
22	140					101					92					76														
23	140					107					97					78														

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. 30-40S Long. 67.5-82.5W Month __August__   19 62

Frequency (Mc)

Hour (LST)	2.5 Fam*	5 Fom*	10 Fam*	20 Fom*
00	64	55	39	28
01	64	56	40	28
02	62	57	41	28
03	61	58	39	28
04	62	61	40	30
05	64	63	44	29
06	53	57	40	28
07	44	53	45	30
08	40	40	35	28
09	36	40	33	28
10	45	39	33	27
11	33	36	30	28
12	36	38	39	28
13	40	39	32	30
14	48	39	34	30
15	49	43	37	31
16	50	44	39	31
17	54	51	42	32
18	59	61	46	30
19	62	64	47	29
20	65	73	44	31
21	66	57	43	29
22	66	59	44	28
23	66	57	39	28

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. 40-50S Long. 67.5-82.5W Month __August__ 19 _62_

Frequency (Mc)

Hour (LST)	.013 F*am	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 F*am	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 F*am	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 F*om	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm	2.5 F*am	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 F*am	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 F*am	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 F*om	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	151					124					103					87																								
01	150					124					103					86																								
02	152					127					104					86																								
03	154					116					103					80																								
04	147					120					97					84																								
05	147					123					93					80																								
06	147					104					79					64																								
07	143					104					75					67																								
08	143					98					77					64																								
09	151					94					73					64																								
10	151					96					69					64																								
11	157					88					73					56																								
12	149					88					67					60																								
13	151					102					69					66																								
14	154					105					74					64																								
15	153					101					67					66																								
16	153					94					71					65																								
17	150					95					77					73																								
18	149					104					83					83																								
19	152					114					93					84																				32				
20	155					120					97					86					70					65					44					32				
21	152					123					95					85					70					59					42					30				
22	152					120					100					86					68					59					40					32				
23	151					122					102					87					68					57					38					30				

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. 50-60S Long. 52.5-67.5W Month __August__ __1962__

Frequency (Mc)

Hour (LST)	.013 F*om	.051 F*om	.160 F*am	.495 F*om	2.5 F*am	5 F*am	10 F*am	20 F*am
00	149	121	93	80	54	57	37	28
01	145	122	95	80	52	59	36	28
02	149	122	95	80	52	57	35	26
03	150	125	95	79	60	59	34	29
04	150	124	96	78	60	62	40	27
05	152	124	90	75	53	59	40	27
06	153	124	89	71	54	67	36	27
07	151	118	81	65	47	63	34	26
08	147	112	74	67	34	63	32	27
09	148	110	77	66	27	45	33	46
10	141	110	74	64	45	41	31	28
11	148	106	77	66	47	41	29	26
12	146	101	77	64	39	39	35	33
13	148	100	73	59	48	39	36	31
14	148	104	76	60	45	37	36	28
15	146	100	82	66	43	40	40	40
16	147	104	73	66	50	47	51	30
17	145	104	75	67	50	53	46	30
18	147	106	79	76	50	48	35	28
19	150	112	83	72	50	53	37	28
20	149	111	84	77	56	50	39	28
21	147	112	85	78	55	53	40	26
22	145	120	90	78	55	49	44	26
23	148	121	95	82	48	49	53	28

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. 50-60S Long. 67.5-82.5W Month __August__ 19 62

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F*om	Du	D_l	Vdm	Ldm	F*om	Du	D_l	Vdm	Ldm	F*om	Du	D_l	Vdm	Ldm	F*om	Du	D_l	Vdm	Ldm	F*om	Du	D_l	Vdm	Ldm	F*om	Du	D_l	Vdm	Ldm	F*om	Du	D_l	Vdm	Ldm	F*om	Du	D_l	Vdm	Ldm
00																					58					59					38					28				
01																					60					55					38					26				
02																					56					57					35					26				
03																					56					59					37					26				
04																					60					61					40					28				
05																					60					67					36					28				
06																					58					63					34					26				
07																					50					67					41					32				
08																					44					47					42					38				
09																					41					40					37					28				
10																					44					35					34					27				
11																					34					31					30					28				
12																					34					33					31					26				
13	143					98					71					60					40					33					30					27				
14	137					90					69					60					42					37					35					29				
15	147					90					63					52					44					41					38					28				
16	137					88					69					54					30					49					37					28				
17	145					98					75					68					36					51					41					28				
18	145					112					85					78					48					53					39					29				
19	147					108					83					80					54					57					40					28				
20	145					110					85					82					56					57					40					28				
21																					66					57					40					28				
22																					58					55					34					28				
23																					56					55					36					26				

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat.60-70S Long.52.5-67.5W Month __August__ 19 62

Frequency (Mc)

Hour (LST)	.013 F*am	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 F*am	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 F*am	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 F*am	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm	2.5 F*am	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 F*am	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 F*am	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 F*am	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	145					118					93					80					63					43					36					29				
01	144					115					92					79					66					45					38					29				
02	147					120					92					79					66					41					34					28				
03	149					114					91					76					62					45					36					26				
04	147					120					91					75					60					47					36					28				
05	148					120					89					73					60					43					36					27				
06	150					119					85					70					52					43					34					28				
07	149					110					79					57					40					55					38					28				
08	144					96					69					60					39					45					38					30				
09	141					100					75					60					36					22					34					28				
10	143					97					67					56					30					17					34					28				
11	145					100					71					54					28					19					32					28				
12	143					94					69					60					30					19					34					28				
13	145					90					69					56					31					23					36					27				
14	145					92					69					62					39					36					40					28				
15	144					100					71					64					38					42					52					28				
16	143					108					71					66					38					37					42					28				
17	142					112					78					66					48					49					40					28				
18	145					108					72					69					50					41					40					28				
19	147					113					76					72					44					47					38					28				
20	149					114					71					72					48					50					39					29				
21	147					112					75					77					60					45					36					28				
22	145					112					85					76					56					45					36					28				
23	145					116					91					80					60					41					38					30				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. 30-40S Long. 67.5-82.5W Month __September__ 19__62__

Frequency (Mc)

Hour (LST)	.013 Fom*	Du	Dℓ	Vdm*	Ldm*	.051 Fom*	Du	Dℓ	Vdm*	Ldm*	.160 Fom*	Du	Dℓ	Vdm*	Ldm*	.495 Fom*	Du	Dℓ	Vdm*	Ldm*	2.5 Fom*	Du	Dℓ	Vdm*	Ldm*	5 Fom*	Du	Dℓ	Vdm*	Ldm*	10 Fom*	Du	Dℓ	Vdm*	Ldm*	20 Fom*	Du	Dℓ	Vdm*	Ldm*
00	151			10.0	16.5	128			8.5	14.5	114			5.0	10.0	92					60					58					39					27				
01	153			6.0	10.5	128					112			5.0	10.0	92			3.5	8.0	59					59					42					27				
02	151			6.0	12.0	130			7.0	12.0	110			6.0	9.0	91			4.0	8.0	56					62					42					27				
03	153			6.0	11.0	130			4.5	8.0	108			5.0	9.0	90			4.0	11.0	58					57					40					27				
04	155			6.5	11.0	128			6.5	10.0	108			5.5	10.0	86			8.5	15.5	57					57					38					27				
05	155			8.0	13.0	126			7.0	10.0	92			10.0	17.5	71			3.5	6.0	57					60					45					31				
06	153			11.5	18.0	118					82			4.0	7.5	72			3.5	7.0	47					54					49					35				
07	151			9.0	13.0	116			13.5	20.0	82			7.0	10.5	72			3.0	7.0	50					52					46					40				
08	151			10.5	16.5	116			9.0	14.0	84			7.0	11.0	76			6.0	10.5	53					56					48					43				
09	151			6.5	10.0	115			6.5	10.0	82			7.0	8.5	76					57					54					48					42				
10	152			5.0	8.0	118			12.0	17.5	84			12.0	17.5	76			2.5	6.0	56					55					46					41				
11	153			8.0	18.0	119					85			6.5	10.0	72			2.5	6.5	51					50					42					36				
12	155			9.5	15.5	121			7.0	12.5	86			7.5	11.0	72			2.0	4.5	50					49					47					35				
13	157			6.0	11.5	120			4.0	7.5	86			3.0	7.0	68			1.0	3.0	53					54					44					39				
14	159					122			4.5	9.0	84					74			2.0	4.0	55					58					46					41				
15	159			5.5	10.0	119			4.0	8.0	82			6.0	10.5	72			2.5	5.0	53					56					51					39				
16	157			6.0	10.0	116			5.0	12.5	82			9.0	11.5	80			2.5	5.0	53					56					50					39				
17	154			6.5	11.0	116					96			3.0	7.0	82			5.0	8.5	51					62					50					37				
18	153					121			5.5	10.0	100			6.0	11.0	86			4.5	8.0	57					64					52					35				
19	154					124					104			3.0	7.0	90			2.0	5.0	59					68					52					33				
20	153			9.5	15.5	126					106			4.0	8.5	91					59					68					51					33				
21	153					126			6.5	10.0	108			5.0	9.0	90			3.5	6.5	60					62					52					31				
22	153			10.0	16.0	127			6.5	11.0	110			3.0	7.5	92			4.0	7.0	61					58					46					29				
23	153					126					114			3.0	7.0	92			3.0	7.0	60					60					47					29				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. __40-50S__ Long. __67.5-82.5W__ Month __September 1962__

Frequency (Mc)

Hour (LST)	.013 F*am	.013 V*dm	.013 L*dm	.051 F*am	.051 V*dm	.051 L*dm	.160 F*am	.160 V*dm	.160 L*dm	.495 F*am	.495 V*dm	.495 L*dm	2.5 F*am	5 F*am	10 F*am	20 F*am
00	153	7.0	12.0	126			108	4.5	8.5	92	3.5	8.0	58	60	44	25
01	155	10.0	14.0	128	7.5	13.0	110	3.0	7.0	92	3.0	6.5	56	62	44	25
02	155	8.0	13.5	132	5.5	9.5	104	5.0	9.0	90	2.0	5.0	55	60	48	25
03	155	9.5	16.0	132	6.0	11.0	106	4.0	8.5	90	5.5	11.0	59	62	46	29
04	155	9.5	16.0	128	7.0	12.0	99	4.5	8.5	82	5.0	9.0	56	64	54	27
05	155	7.0	12.0	126	8.0	12.5	96	9.0	15.0	74	6.0	11.0	47	64	47	29
06	155	8.0	13.0	126	11.0	17.0	77	8.5	12.0	70	3.0	7.5	41	61	44	29
07	151	9.0	15.5	117	10.0	16.0	84	11.0	13.0	74	3.5	9.0	25	45	46	29
08	153	9.0	15.5	118	7.0	13.0	74	4.5	12.0	68	2.0	5.0	25	36	35	28
09	153	10.0	15.5	116	2.0	5.0	76	7.0	11.0	70	2.0	5.5	27	35	31	29
10	155	9.0	15.0	116	6.0	12.0	82	6.0	11.5	68	2.5	6.0	31	42	38	27
11	153	8.5	14.5	114	6.0	11.5	75	4.0	8.0	72			29	30	27	29
12	155	6.0	11.0	114	6.0	11.0	71	4.0	7.5	72	3.0	6.5	30	29	30	27
13	154	6.0	11.0	117	5.0	9.0	78	6.0	11.0	72	2.0	5.5	32	38	30	27
14	159			118	5.0	9.0	78	4.0	7.0	72	1.5	5.5	41	42	32	31
15	157	5.0	9.0	116	8.0	13.5	70	8.5	15.0	70	3.0	6.5	36	40	38	29
16	155	5.0	9.0	114	5.5	10.0	74	5.5	9.5	70	2.5	6.0	41	47	45	25
17	154	5.5	10.0	112	7.0	12.5	96	4.0	9.0	86	3.0	7.5	53	52	47	27
18	157	7.0	12.5	120	6.5	12.0	92	4.5	9.0	86	3.0	6.5	49	58	48	25
19	155	6.5	11.5	124	6.0	13.0	100	4.0	8.0	86	4.5	8.5	55	62	48	25
20	157	7.0	13.0	104	6.5	11.5	99	3.5	7.5	93	3.5	7.0	57	68	52	27
21	155	9.0	13.0	125	5.5	9.5	101	3.0	7.0	89	4.5	9.0	59	66	45	25
22	155	7.0	12.0	128	5.5	9.5	104	4.0	9.0	92	3.0	6.0	61	68	48	27
23	153	6.0	13.0	128	5.5	10.0	104	3.0	7.0	92	3.0	6.5	61	64	46	27

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. 50-60S Long. 52.5-67.5 W Month __September 1962__

Frequency (Mc)

Hour (LST)	.013 Fam*	Du	DL	Vdm*	Ldm*	.051 Fam*	Du	DL	Vdm*	Ldm*	.160 Fam*	Du	DL	Vdm*	Ldm*	.495 Fam*	Du	DL	Vdm*	Ldm*	2.5 Fam*	Du	DL	Vdm*	Ldm*	5 Fam*	Du	DL	Vdm*	Ldm*	10 Fam*	Du	DL	Vdm*	Ldm*	20 Fam*	Du	DL	Vdm*	Ldm*
00	146			11.5	19.0	119			7.0	12.0	94			8.5	14.5	84					54					53			5.0	7.5	43			5.0	7.5					
01	145			9.0	13.0	119			9.0	12.0	95			5.5	11.0	84			5.0	10.0	52			5.0	8.0	54			6.5	9.5	46			3.0	5.5	28				
02	147			9.0	13.5	120			10.0	18.0	96			2.0	13.0	84			5.0	11.0	50			5.0	11.0	52			5.5	10.0	42			2.0	4.5	27			1.5	3.0
03	147			12.0	22.0	119			10.5	9.0	99			6.5	11.0	83			2.0	13.0	49			3.5	7.0	51					42			3.0	6.0	26				
04	147			9.5	14.0	119			9.0	12.5	94			5.5	12.0	80			6.5	11.0	47					53			4.5	7.5	38					26			1.5	3.5
05	149			9.5	14.0	120			9.0	12.5	90			7.5	12.5	72			5.5	12.0	49			4.0	6.5	51					38			4.0	7.0	27			1.0	3.0
06	149			2.0	11.0	118					80					72			7.5	12.5	46					58					41									
07	146			8.5	13.5	109					72					73					33			2.5	7.5	53					47					27			1.5	3.5
08	146			6.0	10.0	104			11.0	18.0	71			3.0	7.5	74			3.0	7.5	25					41			6.5	9.5	41			3.0	5.0	28			2.0	3.5
09	145					106			6.5	9.0	70			3.5	7.5	72			3.5	7.5	29			5.5	8.0	32			8.0	11.0	36					25			1.0	3.0
10	145			7.0	12.5	102			5.0	9.5	71					73					29			2.0	5.5	32			6.0	8.0	36			1.5	3.0	27			1.0	2.5
11	149			5.5	10.5	107			3.0	8.5	68					69					31			3.0	6.0	31			7.0	8.0	28			2.0	3.5	27			2.5	3.5
12	148					104					70					69					31			6.5	8.0	31			6.5	8.0	36			3.0	5.0	27				
13	151			4.0	8.0	101			2.5	6.0	67			2.5	6.5	66			2.5	6.5	34			2.0	5.0	30			3.5	5.0	32			2.5	4.5	27				
14	150			3.5	7.0	106			4.0	8.5	67			2.5	4.0	72			2.5	4.0	35			1.5	5.0	34					33			1.5	4.0	27			1.0	3.0
15	153					108			2.5	4.5	67			3.0	5.5	76			3.0	5.5	36			2.0	6.0	36			4.0	6.0	36			2.0	7.0	32			2.0	3.5
16	153			4.5	8.0	108					67					70			1.0	4.5	39			1.0	4.5	44			3.5	5.0	42			2.0	4.5	28			1.0	2.5
17	153			4.0	8.0	100			4.0	7.5	67			4.0		72			4.0	7.0	40			5.5	9.0	48			3.5	6.0	42			1.5	4.0	28			1.5	2.5
18	151			6.0	10.0	102			3.5	6.0	75					72					41			5.5	10.0	49			2.0	3.5	42			1.5	4.0	27			2.0	3.5
19	151			8.0	13.5	114			6.5	12.0	86					86			2.0		47			2.0	4.5	52			1.5	3.5	43			2.0	4.5	29			2.0	2.5
20	149			8.0	12.0	118			6.0	9.0	88			3.0	5.5	86			3.0	5.5	54			4.0	6.5	54			3.0	5.0	43			2.0	4.0	27			1.5	3.0
21	149			8.0	12.5	120			6.0	11.0	90			5.5	11.0	86			5.5	11.0	57			4.0	6.0	58			3.0	4.5	44			3.5	5.0	27			2.5	3.5
22	149			11.0	15.5	118			5.5	8.5	92			4.0	8.5	88			4.0	8.5	57			4.5	10.0	60			6.0	7.0	44			3.0	5.0					
23	149			9.0	10.0	118			7.0	12.0	94			5.0	9.0	86			5.0	9.0	53			4.0	7.0	58			4.0	6.5	42					27			2.0	7.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. __50-60S__ Long. __67.5-82.5W__ Month __September 19 62__

Frequency (Mc)

Hour (LST)	.013 Fam*	Du	Dℓ	Vdm*	Ldm*	.051 Fam*	Du	Dℓ	Vdm*	Ldm*	.160 Fam*	Du	Dℓ	Vdm*	Ldm*	.495 Fam*	Du	Dℓ	Vdm*	Ldm*	2.5 Fam*	Du	Dℓ	Vdm*	Ldm*	5 Fam*	Du	Dℓ	Vdm*	Ldm*	10 Fam*	Du	Dℓ	Vdm*	Ldm*	20 Fam*	Du	Dℓ	Vdm*	Ldm*
00	147			7.5	11.5	126			4.5	8.0	94			3.5	7.5	90			3.0	5.5	57			5.0	8.5	64					45					26				
01	148			7.0	12.0	128			5.0	9.0	94			4.0	8.0	84			4.0	7.0	55			3.5	7.0	60			3.0	5.0	45			3.0	5.0	27			2.0	3.0
02	149			8.5	13.5	125			5.5	9.5	95			3.0	7.0	85			3.0	6.5	55			3.0	6.0	60					44					27			6.0	7.0
03	151			6.5	11.0	118			4.5	8.5	93			3.5	7.0	78			2.0	5.0	56			3.5	6.5	58			3.5	6.0	42					27			3.0	4.5
04	149			7.5	15.0	116			6.5	10.5	88			5.0	9.5	74			4.5	8.5	49			7.0	10.5	56			4.0	7.0	44			5.5	7.5	27			3.0	5.0
05	145			8.5	14.5	110			9.5	17.5	72			7.5	12.5	61			6.0	10.0	51			6.0	8.0	62			6.5	10.0	43			6.0	8.0	27			6.0	7.0
06	142			9.0	15.0	106			7.5	12.0	69			5.5	8.5	62			2.5	5.5	37			4.5	5.5	46			7.5	10.0	42			6.0	6.0	27			3.5	5.0
07	142			8.5	13.5	101			9.0	15.0	68			6.0	9.0	65			3.0	5.5	29			3.0	9.5	34			6.0	9.5	41			6.5	9.5	27			4.5	8.0
08	144			8.5	13.0	102			11.0	16.0	67			4.0	6.5	65			3.0	6.5	33			5.5	8.0	32			5.5	8.0	39			4.5	8.0	27			3.0	4.0
09	145			8.0	14.0	104			13.0	18.0	67			8.0	11.0	66			3.5	8.5	34			7.0	11.5	30			7.0	10.5	34			4.5	6.0	27			4.5	6.0
10	147			8.0	11.5	100			4.5	20.0	69					69			3.5	9.5	29					28					28					28			3.5	5.0
11	149			11.5	13.5	104			8.5	12.0	67			11.0	17.0	68			4.5	9.0	24					32			3.5	4.5	28			4.0	5.0	27			3.5	5.0
12	148			8.0	10.5	104			6.5	12.0	68			12.0	18.5	66			2.5	5.5	41					37			3.5	4.5	32					29			3.0	4.5
13	150			5.0	9.0	104			7.0	12.5	66			11.0	18.5	64			1.0	3.5	42			3.0	4.5	37			5.5	9.0	32			2.0	4.0	27			2.0	4.0
14	150			7.0	11.0	102			4.5	9.0	67					62			2.5	5.5	39					36			3.0	5.0	34					27			3.0	4.0
15	149			5.0	9.0	103			8.0	13.0	67			5.5	11.0	64			1.5	3.0	41			4.0	6.5	42			3.0	6.5	38			2.0	4.0	27			1.5	3.5
16	145			6.0	10.0	102			9.0	15.5	67			7.0	12.5	65			3.0	6.0	41			4.5	7.0	44			2.0	4.5	44			2.0	4.5	26			1.5	3.0
17	143			6.5	11.5	102			2.0	5.0	70			3.5	5.0	70			2.0	5.5	47			2.0	4.5	54			8.5	11.5	44			3.5	6.0	27			6.0	7.0
18	144			4.0	8.0	110			2.0	12.5	76			5.0	8.0	74			2.5	5.5	51			3.5	5.0	56			3.0	5.0	44			4.0	5.0	27			2.0	3.0
19	143			6.0	10.0	119			5.5	9.0	77			4.0	7.0	79			3.5	7.0	47			3.0	5.0	58			3.5	5.0	48			4.0	6.5	27			3.0	4.0
20	145			7.5	12.0	112			6.0	11.0	82			3.5	7.5	79			4.0	8.0	51			2.5	5.0	59			2.0	4.0	46			2.0	3.0	26			2.0	3.0
21	145			5.0	8.0	111			6.0	10.0	87			4.0	7.0	79			1.5	3.5	51			4.5	7.5	54			3.0	6.0	46			3.5	5.0	27				
22	152			7.5	11.5	114			4.0	8.5	92			4.0	7.5	84			2.5	6.0	51					64			3.5	6.0	44					27			2.0	2.5
23	145			8.0	12.5	120			5.0	9.0	97			3.0	7.0	86			3.0	6.0	55					62			4.0	6.5	45					27				

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. __50-60S__ Long. __52.5-67.5W__ Month __October__ 19 __62__

Frequency (Mc)

Hour (LST)	.013 Fam*	Du	Dℓ	Vdm*	Ldm*	.051 Fam*	Du	Dℓ	Vdm*	Ldm*	.160 Fam*	Du	Dℓ	Vdm*	Ldm*	.495 Fam*	Du	Dℓ	Vdm*	Ldm*	2.5 Fam*	Du	Dℓ	Vdm*	Ldm*	5 Fam*	Du	Dℓ	Vdm*	Ldm*	10 Fam*	Du	Dℓ	Vdm*	Ldm*	20 Fam*	Du	Dℓ	Vdm*	Ldm*
00	145			10.0	15.5	118					100					92			7.5	12.5	63			3.0	6.0	56			5.5	8.0	49					28			4.5	5.5
01	147			10.0	16.5	120			7.0	13.0	98			7.5	12.5	87			4.5	9.0	62					56			4.0	7.0	46			3.0	5.5	25			2.0	3.5
02	146			10.5	18.0	121					97			7.5	12.0	87			6.0	12.0	64					56			3.5	6.0	49			3.0	6.0	28			2.0	3.5
03	147			12.0	18.5	125			8.5	14.5	91					83			7.0	13.0	58					56			3.5	6.0	41			3.5	6.0	27			2.5	3.5
04	146			12.0	18.0	117			10.0	16.5	93			10.0	14.0	85					58					52					43			2.5	5.5	27				
05	148					119			12.5	19.0	90					77			5.0	12.5	59					54			4.5	7.5	45					27				
06	149			12.5	19.0	116					82			13.5	15.0	67					52					51			4.5	7.5	49					29				
07	143					107			12.5	17.5	72					62					46					54					42					26				
08	136					100					67					66					51					42					47									
09	137					95					65					59					30					34					41			4.0	10.5	27			16.0	20.0
10	144					95					67			9.0	11.0	64			3.0	2.0	34					24										29				
11	144			4.5	9.5	101					72			7.0	8.5	64					34					34					33					30				
12	141			6.0	11.0	103			6.5	10.0	73			11.0	13.0	66			3.0	7.0	28					47					33					28				
13	142					107					72					58			2.5	7.0	44					36					31					27				
14	148			4.5	9.5	106					73			2.0	5.0	59			2.5	7.5	56					32					41					28				
15	148					100					73					65			2.5	7.5		5.0	6.5			42					39			3.0	5.0	27			4.0	4.0
16	141			5.5	10.5	106					81			1.0	3.0	65			1.5	6.5	54	1.5	4.0			47					43			2.5	5.0	31			2.0	4.0
17	146					96					64			3.0	9.5	64			1.5	7.5	54					46					40			3.5	6.0	28			3.0	4.5
18	149					113					76			6.5	10.5	68					56					52					43			4.5	7.0	28			5.0	6.5
19	146			5.5	14.0	115			6.5	11.0	82			5.5	9.5	70			1.5	7.0	52			3.5	5.0	55			4.0	6.5	46			2.5	5.0	23			2.5	4.0
20	150			7.0	15.5	117					85			2.0	15.0	86			4.5	13.0	57			3.0	5.0	58			4.5	7.0	43			4.0	6.5	27				
21	146			5.0	16.5	116			6.5	11.5	91			4.5	11.0	85					62					60			4.0	6.0	43			3.5	5.5	27			3.0	4.0
22	148					117					93					90					64			2.5	5.0	60			5.5	8.5	43					25			5.0	7.0
23	148			6.0	18.5	118			7.0	13.5	95			7.0	13.5	91			7.0	13.5	62			3.5	6.0	60			3.0	6.0	43			4.5	7.0	27			3.0	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. __50-60S__ Long. __67.5-82.5W__ Month __October__ 19.62

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dl	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dl	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dl	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dl	.495 Vdm	.495 Ldm	2.5 Fam	2.5 Du	2.5 Dl	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dl	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dl	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dl	20 Vdm	20 Ldm
00	144			11.0	16.0	120			7.0	11.5	95			7.0	12.0	83			5.0	9.0	60			2.5	6.0	56			3.0	5.5	45			3.5	6.5	27			2.0	4.0
01	145			10.5	17.0	121			8.5	13.0	97			6.5	13.5	85			4.0	10.0	64			3.5	6.0	53			4.5	7.0	43			3.5	5.5	27			2.5	3.5
02	148			9.0	17.0	119			2.5	12.5	94			7.5	12.5	81			4.5	8.5	58			3.5	6.0	54			4.0	6.0	41			2.5	5.0	27			1.5	3.0
03	148			10.5	17.0	121			5.5	9.0	93			6.5	12.0	79			8.0	14.5	62			4.0	6.5	52			4.0	6.5	43			3.5	5.5	27			1.5	3.0
04	149			12.5	20.0	114			8.5	22.5	81			6.0	11.0	72					56			5.5	7.5	52			4.5	7.0	45			3.5	6.0	27			3.5	6.0
05	144			12.0	17.5	113			11.0	16.0	72			12.0	16.0	63					52			3.5	6.5	56			6.0	8.0	45			6.0	8.0	28			3.5	4.0
06	143			8.5	15.0	103			5.5	9.0	66			5.5	9.0	57			5.0	10.0	40					42			7.0	10.0	40			4.0	6.0	26			2.0	3.5
07	144					99			7.0	10.5	66			7.0	10.5	61			4.0	8.5	42			5.0	9.0	36			4.0	7.5	35			4.0	6.0	27			2.0	3.5
08	144					93					65			10.5		61			10.5	4.5	44			7.0	11.0	36			4.5	6.0	37			3.5	6.0	27			5.5	11.0
09	144					97			4.0	11.5	67			9.5	11.5	61			2.0	8.5	42			6.0	8.0	34			5.0	8.0	35			2.0	4.5	27			1.5	3.5
10	144					103					71			14.5	12.0	65			4.0	9.0	48			6.0	9.0	40			4.5	8.0	35			3.5	6.0	27			2.0	4.0
11	148			11.0	18.5	107			11.0	18.5	69			16.5	18.5	61			5.0	9.5	41			6.0	11.0	32			4.5	7.5	33			4.0	6.0	27			2.0	3.5
12	150					107					67			12.0	14.0	61			2.0	14.0	40			4.0	6.0	34			4.5	8.0	33			4.0	6.0	27			1.5	3.0
13	151			6.0	13.0	106					67			14.5	12.0	59			14.5	12.0	50			3.0	6.0	32			4.0	6.5	31			3.5	6.0	27			3.0	5.0
14	150					102					66					55					46			4.0	6.0	30			3.5	5.0	34			2.5	3.5	29			2.5	3.5
15	150			6.5	11.5	97			5.0	8.0	70			11.5	13.5	59			4.0	8.0	48			3.5	6.0	39			3.5	6.0	39			3.0	5.0	27			2.0	4.0
16	147					99			6.5	10.5	71			8.0	10.5	64			3.0	7.0	46			4.0	7.0	42			1.5	3.5	41			1.5	4.5	27			2.0	4.0
17	144					111			7.5	13.0	77			5.0	8.5	72			5.0	8.5	52			1.5	5.5	42			4.0	7.0	43			3.0	6.0	27			2.0	4.0
18	146			7.5	13.0	109			7.0	12.0	82			5.5	10.0	62			4.5	8.5	62			4.5	8.5	51			4.0	5.5	43			2.5	5.0	23			6.0	9.5
19	148					118			7.0	11.5	89			5.0	10.0	85			5.0	10.0	63					43			4.5	6.5	43			3.5	6.5	29			4.0	5.0
20	149			9.0	16.0	120			6.0	10.0	93			6.5	12.0	83			5.0	9.5	63			3.5	6.0	47			3.5	6.0	47			4.0	8.0	27			3.0	4.0
21	147			9.0	15.0	118			7.0	12.0	97			6.0	13.0	81			4.0	8.0	60			4.0	6.0	42			4.0	6.5	42			3.0	5.0	27			3.0	4.5
22	147					115			9.0	15.0	97			6.0	15.0	84			6.0	13.0	60			2.0	7.5	45			6.0	9.0	45			10.0	12.0	27			4.5	5.5
23	146					119					95			5.0	11.5	81			5.0	11.5	62			2.5	5.0	48			4.0	7.0	48			6.5	10.0	27				

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. __60-70S__ Long. __67.5-82.5W__ Month __October__ 19 __62__

Frequency (Mc)

Hour (LST)	.013 Fom*	.013 Du	.013 Dℓ	.013 Vdm*	.013 Ldm*	.051 Fom*	.051 Du	.051 Dℓ	.051 Vdm*	.051 Ldm*	.160 Fam*	.160 Du	.160 Dℓ	.160 Vdm*	.160 Ldm*	.495 Fom*	.495 Du	.495 Dℓ	.495 Vdm*	.495 Ldm*	2.5 Fom*	2.5 Du	2.5 Dℓ	2.5 Vdm*	2.5 Ldm*	5 Fom*	5 Du	5 Dℓ	5 Vdm*	5 Ldm*	10 Fam*	10 Du	10 Dℓ	10 Vdm*	10 Ldm*	20 Fom*	20 Du	20 Dℓ	20 Vdm*	20 Ldm*
00	146			9.0	13.5	118			5.5	10.0	93			4.0	7.0	79			5.0	11.0	57			4.0	5.5	53			5.0	6.5	43			4.0	5.5	29		2.0	6.0	6.0
01	146			9.0	13.5	118			5.5	9.5	89			4.0	9.0	77			6.0	10.5	53			4.0	6.0	51			4.5	6.5	42			4.0	5.0	27		2.0	1.5	2.0
02	146			8.5	13.5	115			5.5	10.0	84			4.0	7.5	77			3.5	6.5	53			4.5	6.0	52			4.0	6.0	39			4.5	5.5	27		4.0	3.5	4.0
03	148			8.5	13.0	113			8.5	12.0	73			6.0	10.0	72			1.5	6.5	51			4.5	6.5	51			5.0	7.0	39			5.5	7.0	27		4.5	3.0	4.5
04	146			9.5	15.0	113			3.5	11.5	66					69			≥20.0	≥20.0	47			5.0	6.0	51			5.0	7.0	39			4.0	6.0	27		4.0	4.0	4.0
05	144			6.0	13.5	103					65					50			8.0	16.0	41					46					37			4.0	5.0	28		2.0	1.0	2.0
06	144			7.5	15.0	103			6.0	15.0	66			3.0	10.0	64			3.5	8.5	34			5.0	6.5	36			5.0	8.0	33			2.5	4.0	26		3.0	2.0	3.0
07	145			6.0	12.5	100			4.5	9.0	67			3.0	11.0	64			3.5	7.5	36			5.0	2.0	38			5.0	8.0	33			3.5	4.5	27		3.0	2.0	3.0
08	145			9.0	13.0	105			8.0	13.5	65			8.5	14.0	63			9.0	12.5	36			3.0	4.0	32			6.0	8.0	31			2.5	6.0	27		2.5	1.0	2.5
09	144			9.0	14.0	101			8.5	13.5	67			6.0	11.0	64			3.0	7.0	37			4.5	5.0	32			2.0	9.5	29			2.0	3.0	27		3.5	1.5	3.5
10	146			10.0	15.0	103			6.0	10.5	67			6.5	10.5	65			2.0	5.0	34			3.0	5.5	33			4.5	8.0	29			1.5	4.0	27		3.5	1.5	3.5
11	147			7.0	12.0	106			6.0	11.0	65			6.0	11.0	60			2.5	5.0	39			3.0	7.0	33			3.5	5.5	29			2.0	3.5	27		2.5	2.0	2.5
12	146			6.5	11.0	107			5.5	10.0	65			7.0	9.5	63			3.5	≥20.0	38			2.0	3.5	34			4.0	7.0	29			2.0	3.0	27		3.0	2.0	3.0
13	147			6.0	10.0	106			6.0	10.0	65					62			3.5	7.0	38			4.0	5.0	37			6.0	8.0	31			2.0	4.5	27		4.0	2.0	4.0
14	148			5.5	10.0	104			5.0	9.0	67			2.5	5.5	63			1.5	5.0	40			3.5	6.0	38			4.0	6.0	31			1.0	2.5	29		4.0	4.0	4.0
15	146			6.0	11.0	99			6.0	10.0	67			11.0	15.5	59			2.0	5.0	43			3.5	3.0	39			6.0	8.0	35			3.0	5.0	28		3.5	4.0	4.0
16	146			6.5	11.0	98			8.5	10.0	65			4.0	7.5	61			2.0	6.0	46			3.0	6.0	42			3.0	4.5	39			3.5	5.0	29		3.5	3.0	3.5
17	142			8.5	13.5	105			7.5	14.5	71			4.5	7.5	63			3.0	6.5	48			2.0	4.5	42			1.5	3.5	41			3.5	5.0	27		3.0	3.5	5.0
18	142			8.0	13.0	109			6.0	11.0	77			3.5	6.5	69			3.0	6.0	50			2.5	4.5	49			3.5	5.0	43			3.5	5.0	27		3.5	3.5	5.0
19	144			9.0	15.0	112			6.0	10.5	79			4.0	7.0	77			2.5	6.0	52			3.5	7.0	50			4.0	6.0	41			4.0	6.0	29		3.0	4.0	6.0
20	144			7.0	12.0	111			6.0	10.0	80			4.0	7.5	78			3.5	7.0	57			3.5	5.5	50			5.5	9.5	45			5.0	7.0	29		3.5	5.0	7.0
21	142			9.0	14.0	113			6.0	9.5	86			12.0	18.0	81			3.5	7.0	57			4.0	6.0	54			7.0	11.0	43			5.0	7.5	29		4.5	5.5	7.5
22	142			8.5	13.0	115			7.5	12.0	86			4.0	7.5	78			3.0	7.0	57			4.5	6.5	54			6.5	5.5	43			4.0	5.5	27		3.0	4.0	5.5
23	144			9.0	14.5	118			5.5	9.0	89			3.5	7.0	80			3.0	6.5	57			3.5	5.0	52			5.0	7.0	42			5.0	7.0	29		3.0	2.5	3.0

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

USCOMM-NBS-PL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station ___USNS Eltanin___ Lat. 30-40S Long. 67.5-82.5w Month November 1962

Frequency (Mc)

Hour (LST)	.013 Fam*	.013 Du	.013 DL	.013 Vdm*	.013 Ldm	.051 Fam*	.051 Du	.051 DL	.051 Vdm*	.051 Ldm	.160 Fam*	.160 Du	.160 DL	.160 Vdm*	.160 Ldm	.495 Fam*	.495 Du	.495 DL	.495 Vdm*	.495 Ldm	2.5 Fam*	2.5 Du	2.5 DL	2.5 Vdm*	2.5 Ldm	5 Fam*	5 Du	5 DL	5 Vdm*	5 Ldm	10 Fam*	10 Du	10 DL	10 Vdm*	10 Ldm	20 Fam*	20 Du	20 DL	20 Vdm*	20 Ldm
00	150			13.0	19.0	125			7.0	15.5	104			6.0	15.0	92			6.0	15.0	71					53					54					30				
01	146			10.0	19.0	122			8.0	15.0	96			5.5	13.5	83			5.0	10.5	65					53					52					29				
02	150			13.0	19.0	128			6.0	14.0	96			5.5	11.0	83			5.0	8.5	65					57					52					29				
03	148			12.0	19.0	126					101			8.0	15.0	81			5.5	11.0	65					59					60					27				
04	148			12.0	22.5	118					87			5.5	12.5	67					61					59					56					29				
05	150			12.5	21.5	118			6.0	17.5	91			1.5	3.5	63			8.0	11.0	63					57					60					29				
06	148			8.0	19.5	106			5.0	18.0	89			2.0	5.0	67			4.5	7.5	43					43					58					27				
07	146			8.0	19.0	116			10.0	20.0	89			2.0	5.0	72			2.5	5.0	37					41					46					29				
08	148			10.0	18.5	106					95					59			3.0	7.5	47					31					40					31				
09	148			7.5	18.5	110					91					67					41					33					40					26				
10	148			11.0	17.0	116			12.5	20.5	84			12.5	19.5	65			2.0	2.0	45					29					42					27				
11	154			10.5	17.0	122			10.0	17.0	88			10.0	18.5	65			3.0	6.0	45					25					38					25				
12	154					126			9.0	19.0	93			10.0	18.5	74			2.5	6.0	45					29					42					27				
13	156			6.5	12.5	129					95			7.0	14.0	66			2.5	3.0	47					33					46					31				
14	159			7.5	13.0	131			6.0	13.0	101			6.0	14.0	71					51					39					42					35				
15	156			7.0	12.0	122			7.0	12.5	96			5.0	13.5	71			4.5	11.5	47					40					48					34				
16	156			7.0	13.5	126			7.0	13.0	96					75			3.0	2.0	51					51					54					31				
17	156			9.0	13.5	132					103			4.0	10.0	73			2.5	9.5	53					47					52					33				
18	156			7.5	13.0	132			6.5	11.0	100			4.5	8.0	91			4.5	8.5	57					62					57					30				
19	152			4.5	7.0	136			5.5	10.0	111			3.5	7.0	95					74					61					57					33				
20	150			7.0	12.0	138			4.5	9.0	114			3.0	7.0	99			5.0	8.0	77					63					57					34				
21	153			7.0	13.0	136			5.0	9.0	114			4.5	10.0	99			5.0	7.5	79					65					57					30				
22	153			10.0	17.5	138			6.5	10.5	113			5.0	12.0	99			5.5	10.5	79					64					56					31				
23	148			6.5	10.5	123			6.5	10.5	105			5.5	12.0	93					71					44					53					28				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. __40-50S__ Long. __67.5-82.5W__ Month __November 19 62__

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam†	Du	Dℓ	Vdm†	Ldm†	Fam†	Du	Dℓ	Vdm†	Ldm†	Fam†	Du	Dℓ	Vdm†	Ldm†	Fam†	Du	Dℓ	Vdm†	Ldm†	Fam†	Du	Dℓ	Vdm†	Ldm†	Fam†	Du	Dℓ	Vdm†	Ldm†	Fam†	Du	Dℓ	Vdm†	Ldm†	Fam†	Du	Dℓ	Vdm†	Ldm†
00	152					132			11.5	20.0	105			8.0	17.0	97			5.5	10.5	75			4.0	5.5	66			4.5	6.5	56			3.5	6.0	38				
01	150			11.5	17.0	134			6.5	12.0	111			5.0	10.5	97			7.5	15.0	72			5.0	8.0	62			4.5	7.0	53			5.5	9.5	35			9.5	10.0
02	152			12.5	19.0	132			10.0	19.0	111			5.5	11.0	97			5.5	11.0	74			5.0	8.0	62			4.5	8.0	50					31			5.5	6.5
03	152			13.0	18.0	126			13.5	21.0	100			4.5	8.5	77					73			6.0	9.0	63			5.0	8.5	50			3.5	5.0	33			14.5	20.0
04	152			10.5	12.5	123			11.5	18.0	83			8.0	13.0	71			8.5	11.5	65			13.0	18.0	61					51			10.5	14.0	33				
05	148			9.0	14.0	118			6.0	10.5	84			9.5	17.0	69			1.0	3.0	57			6.0	9.0	49			4.5	7.5	52			5.5	9.5	34			3.0	3.5
06	148			11.0	17.0	113			8.0	16.0	85			7.5	14.0	61			2.5	7.5	57					42					48					29				
07	148			9.0	15.0	102			7.5	13.5	81			7.0	14.0	61			4.0	8.0	37			5.0	8.0	37			6.0	9.0	46			2.5	4.0	31			3.5	4.0
08	148			9.0	13.5	119			3.0	6.0	83			11.5	18.5	63			3.0	6.0	32					32					44			6.5	10.0	30			3.0	4.0
09	150			8.5	13.0	119			8.0	13.0	93			8.0	13.0	77			1.5	3.5	93					32					42					34				
10	152			10.0	13.5	120			10.0	16.0	85			10.5	18.5	65			2.0	5.0	45			3.0	4.0	38			3.0	4.0	40			4.0	6.0	34				
11	148			8.0	13.0	115			8.0	13.0	87			10.5	18.0	66			3.0	6.0	44			3.0	6.0	35					36					29				
12	150			9.0	15.0	114			9.0	15.0	87			11.0	19.5	73			4.0	7.0	57			4.0	7.0	30			3.5	5.5	36			3.0	5.0	28				
13	150			8.5	14.0	109			8.5	14.0	89			15.0	21.5	65			6.5	11.0	47			2.5	5.0	34			2.5	5.0	40			3.0	5.0	29			2.5	3.0
14	148			6.5	10.5	112			2.0	12.0	82			9.0	12.0	67			19.0	25.0	45			4.0	6.0	34			3.0	4.5	36			3.0	5.5	30			3.0	4.5
15	152					121					86			13.5	17.0	66			3.5	7.5	49			3.5	7.5	46					46			4.5	6.0	32			3.5	5.0
16	148			2.5	12.5	118			6.0	11.0	84			10.0	15.0	64			4.5	8.0	45			3.0	5.0	44			3.5	5.5	48			3.0	5.0	32			2.5	3.5
17	146			8.0	13.0	114			7.5	13.0	85			9.5	14.5	66			3.0	7.0	51			1.5	3.0	48					48			4.0	5.5	32			4.0	5.5
18	144			8.5	12.5	120			9.0	16.0	80			6.0	10.0	80			3.0	6.5	63			3.5	5.0	54			4.0	6.0	54			3.0	4.5	33			3.0	4.0
19	147			10.0	16.5	120			10.0	16.5	101			9.0	16.0	94			7.0	14.0	69			2.5	4.0	61			3.5	5.0	54					31			11.5	18.0
20	150			12.5	17.5	126			9.5	16.5	113			7.5	14.5	93			5.5	11.0	77			3.5	5.0	61			4.0	7.0	52			4.0	6.0	33			3.5	5.0
21	148			11.0	17.0	129					109			8.0	16.0	93			8.0	16.0	79			3.0	5.0	62			3.5	5.5	54			4.5	7.5	29			3.5	4.5
22	154			12.0	18.0	127			6.0	11.0	115			10.0	16.0	95			5.5	11.0	77			3.0	4.0	63			3.0	5.0	52			5.0	7.0	36				
23	152			13.5	20.5	130			8.5	15.5	103			5.5	10.0	99			5.5	10.0	77			2.5	3.5	64			4.0	6.0	57			4.5	7.0	38				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __50–60 S__ Long. __67.5–82.5 W__ Month __November__ 19__62__

Frequency (Mc)

Hour (LST)	.013 Fom*	.013 Dᵤ	.013 Dₗ	.013 Vdm*	.013 Ldm*	.051 Fom*	.051 Dᵤ	.051 Dₗ	.051 Vdm*	.051 Ldm*	.160 Fom*	.160 Dᵤ	.160 Dₗ	.160 Vdm*	.160 Ldm*	.495 Fom*	.495 Dᵤ	.495 Dₗ	.495 Vdm*	.495 Ldm*	2.5 Fom*	2.5 Dᵤ	2.5 Dₗ	2.5 Vdm*	2.5 Ldm*	5 Fom*	5 Dᵤ	5 Dₗ	5 Vdm*	5 Ldm*	10 Fom*	10 Dᵤ	10 Dₗ	10 Vdm*	10 Ldm*	20 Fom*	20 Dᵤ	20 Dₗ	20 Vdm*	20 Ldm*
00	144			10.0	16.0	119			8.0	12.5	93			7.0	14.0	79			8.0	13.5	64			4.0	6.0	55			2.0	4.0	49			4.0	6.0	34				
01	144			12.0	18.5	120			12.0	20.0	95			7.0	13.0	83			6.0	11.0	65			3.0	5.5	58			3.0	4.5	48			3.5	5.0	27			2.0	3.5
02	148			8.0	18.0	118			5.0	9.5	95			6.0	12.5	77			4.0	11.0	61			2.5	4.0	50			4.0	6.0	46			3.5	6.0	27			2.5	3.5
03	147			8.0	18.0	112			6.0	15.0	71			3.0	11.0	54			8.0	14.5	57			3.5	7.0	51			3.5	5.5	46			5.0	7.0	29				
04	139			4.0	16.0	107			6.0	14.0	75			10.5	17.5	59			1.0	3.5	53			8.0	11.0	53			2.0	10.0	49			3.0	4.5	29			7.5	2.0
05	136			10.0	15.5	102			10.5	19.0	75					55			5.5	12.0	41			7.5	12.0	41								3.5	4.0	28			2.0	3.0
06	142			9.0	14.0	97			9.0	14.0	72			14.0	16.5	56			4.0	6.0	39			5.5	8.0	39			4.0	8.0	44			4.5	2.0	27			2.0	3.0
07	144			7.0	2.0	98			9.0	14.0	79			14.0	16.0	61			4.0	7.5	34			7.0	9.0	25			2.0	9.0	36			2.0	9.0	25			2.0	3.0
08	144			8.0	13.0	100			6.0	10.0	76			8.5	21.0	62			1.5	4.5	34			8.5	11.5	27					36					27				
09	146			2.0	12.0	106			4.0	9.0	78			13.5	17.0	61			5.0	7.5	35			5.0	8.5	30			4.5	7.0	32			4.0	5.5	27			4.0	3.0
10	148			5.0	11.0	108					81			6.0	16.0	65			5.0	8.0	36			3.0	6.5	31			5.5	6.5	36			3.0	4.0	27			2.0	3.0
11	148			7.5	12.5	112			6.0	10.0	77			10.5	15.0	63			3.5	7.0	41			4.0	6.5	27			6.0	8.0	36			5.0	7.0	27			2.5	3.5
12	148			6.0	11.0	112					79			11.5	16.0	65			2.0	5.5	41			2.5	5.0	25					33			4.0	5.5	27				
13	152			4.0	10.5	115			2.0	9.0	79			10.5	15.5	65			3.0	7.0	37			5.0	8.0	29					35					29			3.0	4.0
14	157			6.0	11.0	112			6.0	10.5	77			9.0	12.5	63			4.0	7.0	43			4.5	7.5	35			3.5	6.5	38			3.5	5.5	31			2.5	4.0
15	148			6.5	11.0	106			6.0	11.0	76			10.0	12.0	59			6.5	8.0	37			4.0	6.0	33			4.5	5.0	39			2.5	4.0	29			3.0	4.0
16	146			5.0	12.0	107			3.0	8.0	74			9.5	12.0	63			8.0	8.0	34			4.0	6.0	34			4.0	6.0	45			3.5	5.0	29			3.0	4.0
17	145			9.5	12.5	106			5.5	9.0	77			13.0	16.0	61			5.0	7.5	40			4.5	7.0	40			3.5	5.0	47			3.0	5.0	29			4.0	6.5
18	146			10.0	16.0	106			4.0	10.0	75			8.0	15.5	61					47			4.0	6.0	51			3.5	5.5	47			4.0	6.0	31			3.0	4.0
19	143			11.0	12.0	112			3.0	9.0	83			2.5	11.0	26			7.0	9.0	51			4.0	6.0	59			4.0	6.0	48			4.5	2.0	30			3.0	4.5
20	146			8.0	13.0	116			7.0	12.0	91			6.0	10.0	77			4.0	7.0	59			4.0	6.0	59			4.5	7.0	49			4.0	7.0	35				
21	146			11.5	16.5	117			2.5	11.5	90			2.0	13.0	79			6.0	10.0	65			4.5	6.0	54			4.0	7.0	51			4.0	6.0	29			4.0	8.0
22	146					122					95			8.5	16.0	81			5.0	11.5	63			5.5	8.5	55			5.0	8.5	47			4.5	8.0	29			4.0	5.5
23	146			10.0	16.0	122			2.5	11.0	91			3.0	9.0	82			2.5	12.0	63			2.5	12.0	57			4.5	6.0	47			4.0	6.0	27			3.0	4.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. 60–70S Long. 67.5–82.5W Month __November__ 19_62_

Frequency (Mc)

Hour (LST)	.013 F*am	Du	Dℓ	Vdm	Ldm	.051 F*am	Du	Dℓ	Vdm	Ldm	.160 F*am	Du	Dℓ	Vdm	Ldm	.495 F*am	Du	Dℓ	Vdm	Ldm	2.5 F*am	Du	Dℓ	Vdm	Ldm	5 F*am	Du	Dℓ	Vdm	Ldm	10 F*am	Du	Dℓ	Vdm	Ldm	20 F*am	Du	Dℓ	Vdm	Ldm
00	138					126					89					73					66			2.5	3.0	64					52			4.0	5.5	31			4.5	6.0
01	140					115					90					76					64			4.5	8.5	55					51			4.5	7.0	27			2.5	3.5
02	138					117					96					73					62			5.0	7.0	64			5.0	8.0	50					29			5.0	6.0
03	138					110					84					59					67			4.0	8.5	61			5.0	8.5	42			1.0	4.0	29			1.5	3.5
04	142					107					79					67					48			10.0	14.0	54					49					38				
05	134					96					73					55					39			3.0	8.0						43			1.5	5.0	31				
06	144					104					77					61					39			3.0	7.0	45					41					29			0.5	2.0
07	144					100					79					65					35			2.5	4.5						39			1.0	4.0	29			1.0	2.5
08	146					102					83					65					33			2.5	5.0											29			1.0	2.5
09	144					100					69					59					35			2.5	5.0	35			3.0	2.5	19			1.0	3.0	29			1.5	3.5
10	144					104					69					55					37			1.0	4.5	35			4.5	6.5	17			2.5	3.5					
11	144					102					69					55					33																			
12	144					102					69					63															21			2.0	3.5	23			2.0	3.0
13	146					104					71					67					35			3.0	5.0	35			5.0	7.0	33					29			1.0	2.5
14	144					104										75					45			3.0	5.0	33					29									
15																																								
16																																								
17																																								
18																																								
19																																								
20																																								
21																																								
22																																								
23	146					124					103					79					67			5.0	7.5	59					51					27				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden   Lat. 59.5N   Long. 17.3E   Month September 19 62

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm*	Ldm	2.5 Fam	Du	Dℓ	Vdm*	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm*	Ldm	20 Fam	Du	Dℓ	Vdm*	Ldm
00	154	4	2	6.5	11.5	104	6	4	2.5	12.5	101	6	5	5.5	10.0	83	4	7	4.5	8.5	61	21	6	6.0	10.0	51	6	3	4.0	7.5	35	9	4	2.5	5.0	18	0	4	1.0	2.5
01	154	3	1	8.0	13.5	125	5	8	7.0	13.0	105	4	6	4.5	9.0	83	6	6	6.0	9.5	59	5	7	5.5	9.0	52	4	6	3.0	6.0	33	10	4	2.0	4.5	18	0	3	1.5	3.0
02	154	4	2	8.0	13.5	125	5	8	2.0	13.0	105	4	6	4.5	8.5	81	7	8	3.5	6.0	59	12	6	6.0	9.5	52	4	6	4.5	8.0	33	4	4	2.5	5.0	18	0	4	1.0	2.5
03	154	4	2	8.5	14.5	126	4	9	7.5	13.0	107	4	6	4.0	9.0	77	10	7	5.5	10.5	58	18	5	6.0	11.0	52	4	6	5.0	9.0	31	6	2	2.0	3.5	18	0	6	1.5	3.0
04	154	4	1	8.0	14.0	124	6	6	9.0	14.0	105	4	8	4.0	9.5	69	8	14	5.5	9.5	59	15	5			50	8	4	7.0	11.0	37	2	5			18	0	5	1.5	3.0
05	154	4	3	9.0	15.0	118	7	4	9.0	16.5	87	6	4	4.5	8.0	51	8	2	3.0	5.0	57	4	5			50	5	5	7.0	8.0	39	9	8	7.0	12.0	18	0	4	1.5	3.0
06	152	4	2	9.5	15.5	116	6	7	8.0	15.0	85	4	5	3.0	7.0	53	7	4	4.5	6.5	39	11	12	6.0	9.5	44	3	7	3.5	6.0	41	11	5	9.0	14.0	18	0	5	1.0	2.5
07	150	4	2	9.5	16.0	116	18	13	9.0	12.0	77	6	4	2.0	5.5	53	4	4	2.5	5.0	35	10	7	6.0	9.5	38	6	5			41	2	6			18	1	5	0.5	2.0
08	150	4	2	10.0	16.5	116	16	12	11.0	16.0	79	4	6	3.0	6.0	51	8	2	4.5	7.0	31	4	2	6.5	9.5	36	5	5	1.0	3.0	40	7	6			18	3	4	1.5	3.0
09	150	4	4	10.0	16.5	116	16	8	10.0	18.0	78	5	6	4.0	6.0	57	11	2	2.0	4.0	29	4	2			32	4		3.0	5.0	37					18		4	1.0	3.0
10	150	5	5	11.0	17.5	116	14	12	10.5	18.0	78	9	5	5.0	7.5	52	6	3	2.5	5.5	29		2	4.5	10.5	28		6	7.5	12.0	42					18	4	4	2.0	4.0
11	150	4	6	9.5	16.0	117	15	14	8.0	15.0	79	6	8	4.0	6.0	51	13	2	2.0	7.0	31	4	2			26	8	4	3.5	6.0	47	8	6			18	4	0	0.5	2.5
12	150	5	4	8.5	16.0	117	15	8	9.0	16.0	78	7	5	2.0	9.5	53	6	4	2.0	2.5	31	2	2			26	6	2	2.5	5.0	45	2	5	7.0	10.0	18	4	2	1.0	2.5
13	152	4	4	8.0	14.5	116	10	7	8.0	14.5	79	6	6	5.0	9.0	54	6	3	4.0	7.0	28	2	2	3.5	6.0	28			6.0	8.0	48					18	4	2	1.0	3.5
14	152	2	2	7.0	12.0	116	16	16	9.0	14.5	80	10	6	7.5	12.0	55	11	4	2.0	4.0	29	7	2	3.5	6.0	30	6	6	8.0	12.0	49	5	4			20	5	4	1.5	3.5
15	152	4	2	7.0	11.0	118	14	14	9.5	15.0	77	18	6	3.5	6.0	51	24	2	4.0	5.5	33	7	4	4.0	7.5	36	8	5	9.5	12.0	47	6	6			20	3	4	1.5	3.0
16	152	2	2	6.5	11.0	118	14	3	8.5	14.0	77	14	4	5.0	7.5	55	16	4	3.0	4.5	37	6	6	5.0	7.5	42	4	5	5.0	8.0	47	8	6			18	4	4	1.0	3.0
17	150	4	0	6.5	11.5	118	16	4	7.5	12.5	82	12	5	4.0	8.0	63	18	8	2.5	4.5	43	4	4	5.0	8.0	48	5	6	9.0	13.5	47	4	6	5.5	9.0	20	3	3	2.5	4.5
18	150	4	0	6.5	11.0	119	15	4	7.0	12.5	89	8	4	5.0	9.5	76	17	9	2.5	6.0	51	7	5	5.5	10.5	55	4	4	2.5	5.0	45	2	4	3.0	6.0	20	4	3	2.0	4.0
19	152	4	2	6.0	11.0	121	12	4	6.0	11.0	97	4	4	5.5	10.0	79	16	6	2.0	4.0	55	4	4	2.0	11.0	56	3	2	3.0	7.0	43	12	2	3.5	6.0	19	1	3	1.5	3.5
20	154	2	4	6.0	10.5	124	10	7	5.0	10.5	102	3	7	5.0	10.5	80	11	7	1.5	4.0	59	8	6	3.0	5.5	56	2	2	2.5	6.0	43	9	4	4.5	7.0	18	2	4	1.0	3.0
21	154	2	2	6.5	11.5	127	10	10	6.0	11.0	104	6	5	4.0	8.5	83	10	6	3.0	5.0	59	6	5	8.5	12.0	54	3	5	2.5	6.0	39	6	4	3.5	5.5	18	2	4	1.5	3.0
22	154	2	3	6.0	11.0	126	6	7	8.0	14.5	103	6	4	5.5	10.0	81	12	6	2.5	6.0	57	6	5	6.0	9.5	54	4	6	3.0	6.0	41	2	6	2.0	4.0	18	2	4	1.0	2.0
23	154	2	2	6.5	11.0	126	4	8	9.5	14.5	103	6	5	4.5	10.0	81	8	5	5.0	9.0	59	10	6	3.5	7.0	54	2	6	4.5	8.0	38	7	5	1.5	4.0	18	1	3	1.0	2.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5N Long. 17.3E Month October 19 62

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	156	1	2	8.5	15.0	123	6	4	9.0	14.5	100	2	7	*	9.0	89	8	8	1.5	3.0	58	8	4	4.0	9.0	52	4	2	4.0	8.5	34	6	2	2.5	4.5	18	1	3	1.0	3.0
01	158	2	3	9.5	16.0	125	4	6	9.0	15.5	102	6	6	5.0	9.5	85	6	10	2.0	4.0	56	9	2	4.0	8.0	52	4	2	4.0	8.0	34	6	4	2.0	4.5	17	2	4	1.0	3.0
02	157	2	2	10.0	16.5	125	4	6	9.0	16.0	102	7	6	5.5	10.5	87	6	8	1.5	3.5	58	4	4	6.0	11.5	52	4	4	4.0	9.0	34	7	4	2.0	4.0	17	2	2	1.0	3.0
03	156	2	2	10.0	17.0	125	4	6	9.0	15.5	100	5	5	6.0	12.0	85	8	8	1.5	3.5	58	4	4	5.5	10.5	52	4	5	4.5	8.5	32	8	2	2.0	4.0	17	4	4	1.0	3.0
04	156	2	2	11.0	18.0	125	2	6	10.0	17.0	100	4	6	5.0	9.5	79	10	6	1.5	3.5	58	4	10	5.0	10.0	50	6	4	4.5	8.5	30	6	2	2.0	4.5	17	2	4	1.0	2.5
05	156	2	3	11.0	18.0	123	3	6	11.0	18.0	98	8	6	4.0	9.0	60	9	5	5.0	8.0	54	14	8	5.5	9.5	52	7	3	4.5	9.0	36	6	4			17	2	2	1.5	3.0
06	154	2	2	10.5	17.0	117	4	2	10.0	17.0	88	7	6	4.0	8.0	51	8	4	2.0	4.0	52	7	8	8.0	14.0	52	2	6	5.0	8.5	40	7	4			17	4	2	2.0	3.5
07	152	4	2	10.0	17.0	115	5	2	10.0	17.0	83	5	9	6.0	9.0	51	6	4	3.0	5.0	36	11	4	2.5	5.0	40	4	2	3.0	2.0	42	4	6	*6.5	10.0	17	6	2	1.5	3.5
08	152	2	4	11.0	18.0	115	4	6	10.0	18.0	80	7	8	1.5	6.5	49	10	2	2.5	4.5	32	10	5	4.0	7.0	39	4	4	6.0	10.0	42	6	4			19	6	2	2.0	4.0
09	152	2	4	12.0	19.5	115	2	8	9.5	17.0	81			5.0	8.5	51	6	4	1	5.0	34	4	8	2.5	6.0	32	4	7	2.5	4.5	40	6	4			19	4	2	1.0	3.0
10	152	3	3	11.0	18.5	113	2	7	10.5	18.0	74	13	2	3.5	8.0	53	8	6	1.5	3.5	30	4	4	1.5	5.0	27	9	6	5.5	6.0	36	8	4			19	5	1	1.0	3.0
11	150	4	2	11.0	12.0	115	2	9	9.5	17.0	72	16	4	2.0	5.0	49	10	2	1.5	3.5	30	6	2	4.0	7.0	24	12	4	3.0	6.0	46	8	5	*8.5	11.5	19			1.5	3.5
12	150	4	0	10.0	16.5	115	1	2	10.0	17.5	80	8	6	4.0	8.0	51	6	4	2.0	4.0	32	6	4	2.5	6.0	24			2.0	4.0	43	6	8	2.0	5.5	20	3	3	2.0	4.0
13	152	2	2	9.0	14.5	115	3	8	10.5	17.0	77	10	7	4.5	8.5	53	3	3	2.0	4.0	32	4	5	3.0	5.5	22	10	4	4.0	2.0	47	3	8	2.0	5.5	20	3	2	2.0	5.0
14	152	2	2	7.0	12.5	115	2	6	10.0	16.0	78	8	6	3.5	6.5	55	6	4	2.0	3.5	32	6	4	4.0	6.0	28	7	4	4.5	7.0	48	8	6	5.5	11.0	21	5	3	2.5	4.5
15	152	2	2	8.0	13.0	115	4	6	10.5	17.0	80	6	8		6.5	51	10	2	2.0	4.5	34	7	4	3.0	5.0	34	8	2	3.0	5.5	50	6	6	3.0	5.5	21	7	2	2.0	4.0
16	150	3	1	7.5	13.0	115	6	6	11.0	17.5	84	4	8	3.0	7.0	59	18	6	1.0	2.0	48	6	2	7.5	12.5	43	6	3	2.5	4.5	48	5	2	6.0	10.5	19	8	2	2.0	4.0
17	152	1	4	8.0	13.0	115	7	4	8.5	14.0	89	5	1	3.5	7.0	75	14	6	2.0	4.0	54	6	6	5.5	11.0	50	6	6	3.0	6.5	42	6	2	4.0	6.0	19	4	2	2.0	4.0
18	154	0	4	7.5	13.0	119	5	5	8.0	14.0	96	4	4	3.0	7.0	77	12	10	2.5	4.0	54	6	6	5.5	11.0	52	6	4	3.5	6.5	44	6	4	4.0	6.5	19	6	4	1.0	3.0
19	154	2	2	7.5	13.0	121	6	6	8.0	13.5	96	9	5	4.5	9.0	79	12	10	3.0	5.0	54	8	8	4.5	10.0	52	4	4	3.5	6.5	44	14	6	3.0	6.5	19	2	4	1.0	3.0
20	154	4	2	7.0	12.0	121	8	4	8.0	12.5	92	8	4	3.0	9.0	89	6	14	3.0	5.5	56	12	4	4.5	10.0	52	5	6	3.0	7.0	38	6	4	3.0	7.0	19	2	4	1.0	3.0
21	154	2	2	7.5	12.5	123	8	6	9.0	14.5	102	5	7	*	8.0	89	6	12	2.0	5.0	54	8	6	4.0	10.5	50	6	5	3.0	6.5	36	6	4	2.0	4.0	19	0	4	1.0	2.5
22	155	2	3	7.5	13.0	123	6	4	8.5	15.5	102	3	7	4.0	8.5	87	8	10	1.5	4.0	57	6	6	4.0	8.5	52	3	2	4.0	7.5	34	9	3	4.0	7.5	19	0	4	1.0	3.0
23	157	0	2	8.0	14.0	123	7	7	9.0	15.0	100	7	4	4.0	9.5	89	6	12	2.0	4.0	56	7	5	4.5	8.5	52	4	4	4.0	7.5	34	6	4	3.0	5.0	17	2	2	1.0	2.5

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden   Lat. 59.5N   Long. 17.3E   Month November 1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dl	Vdm	Ldm	.051 Fam	Du	Dl	Vdm	Ldm	.160 Fam	Du	Dl	Vdm	Ldm	.495 Fam	Du	Dl	Vdm	Ldm	2.5 Fam	Du	Dl	Vdm	Ldm	5 Fam	Du	Dl	Vdm	Ldm	10 Fam	Du	Dl	Vdm	Ldm	20 Fam	Du	Dl	Vdm	Ldm
00	154	2	3	9.0	16.0	117	7	5	7.0	13.0	94	6	4	4.5	9.0	82	11	11	2.0	—	57	7	5	3.0	6.0	51	2	9	5.0	8.5	32	7	2	1.5	4.0	18	2	2	1.0	2.5
01	152	4	2	9.5	16.0	117	8	6	9.0	15.0	96	5	6	2.0	5.5	81	12	10	4.0	11.0	51	26	3	2.5	5.5	51	3	4	4.5	7.5	34	7	4	2.0	4.0	18	2	2	1.0	2.0
02	152	4	2	10.0	16.5	117	9	6	7.5	13.5	94	8	4	4.0	8.5	84	7	13	2.5	7.0	55	19	4	5.5	10.5	51	6	4	6.0	10.0	34	7	2	2.5	5.0	18	2	2	1.0	3.0
03	153	3	3	10.0	17.0	119	6	7	8.0	14.0	93	7	5	4.0	10.0	80	11	11	1.0	2.5	55	6	6	6.5	12.5	51	3	4	5.0	9.0	32	7	2	1.5	4.0	18	2	2	1.0	2.5
04	154	2	4	11.0	17.5	119	6	9	11.0	16.5	96	4	5	2.0	5.0	79	13	14	1.5	4.0	57	5	6	5.0	6.5	49	7	5	5.0	9.5	30	10	0	2.0	3.0	18	2	2	1.0	3.0
05	152	4	2	11.0	18.0	117	7	9	11.0	18.0	98	4	6	3.5	7.5	73	10	15	2.0	3.0	51	8	4	3.5	7.5	49	4	6	5.5	9.0	34	4	4	1.0	3.0	18	2	2	1.5	3.0
06	154	2	4	10.5	17.5	115	4	8	12.5	18.0	100	7	10	2.0	7.0	63	6	8	3.0	4.5	51	8	6	4.0	7.5	49	4	4	5.0	9.5	38	6	6	—	—	20	0	3	1.0	2.5
07	152	2	3	10.5	17.5	109	6	4	12.0	18.0	84	6	6	2.0	5.5	58	8	6	2.0	3.5	51	—	—	6.0	11.5	47	6	2	4.0	8.5	42	10	7	6.0	9.0	20	3	3	1.0	3.0
08	150	2	2	12.0	19.0	107	6	8	11.0	18.0	85	5	10	4.0	6.5	59	12	8	1.0	2.0	43	14	6	6.0	11.0	45	5	11	3.5	6.0	42	6	7	—	—	22	4	4	1.5	3.5
09	148	2	6	13.0	19.0	105	8	13	12.0	17.5	88	4	7	—	—	55	14	2	5.0	9.0	39	7	7	5.0	8.0	37	8	8	2.5	5.0	42	6	6	—	—	24	2	4	2.5	4.5
10	148	4	4	12.5	19.0	102	11	8	14.0	20.0	90	4	8	3.5	6.0	55	8	4	1.5	3.5	35	7	4	5.0	8.0	29	8	8	4.0	7.0	40	5	5	2.5	5.0	23	5	5	2.0	4.0
11	148	3	5	11.0	17.0	99	13	11	11.5	16.0	86	4	6	3.0	6.0	57	7	4	0.5	2.0	37	2	6	2.5	5.5	31	6	8	3.0	6.0	46	6	8	—	—	24	5	2	3.0	6.0
12	147	4	5	9.5	14.5	101	11	14	6.5	9.0	88	5	4	5.5	10.5	55	8	4	1.5	3.5	35	8	2	7.5	10.0	29	7	8	3.5	7.5	46	6	6	—	—	22	5	2	1.5	4.0
13	148	5	6	7.5	12.5	99	13	12	7.5	11.5	86	7	4	0.5	2.0	58	17	5	1.5	2.5	37	6	4	3.5	7.0	29	8	5	3.5	6.5	44	6	2	—	—	22	4	2	1.5	4.0
14	148	6	4	9.0	11.5	100	13	11	12.0	17.0	90	4	10	2.0	3.5	65	12	8	2.0	3.0	36	9	3	1.5	5.0	35	12	8	5.5	7.5	48	8	6	—	—	22	8	2	2.5	4.5
15	148	2	4	8.0	12.0	105	7	13	13.0	18.5	86	4	4	2.5	5.0	72	9	19	1.0	3.0	41	8	4	3.0	6.5	41	5	8	4.0	6.5	49	5	7	4.0	8.0	22	6	4	2.0	4.0
16	149	3	5	7.5	12.5	105	9	10	10.0	16.0	86	6	4	5.0	9.0	75	6	18	2.0	4.0	47	13	4	5.0	9.5	47	7	4	3.0	2.0	44	4	4	4.0	6.0	20	1	2	1.0	2.5
17	150	4	4	6.5	11.0	111	6	10	11.0	17.0	90	7	6	3.5	6.0	77	12	16	1.0	3.0	55	—	9	—	—	47	7	4	3.0	6.0	42	12	4	4.0	6.0	20	0	2	1.0	3.0
18	152	2	4	6.5	11.0	113	6	7	8.0	12.5	90	6	4	3.5	7.0	79	10	12	2.0	4.5	54	3	—	8.0	—	49	4	2	3.5	6.0	40	7	6	5.0	2.0	20	0	2	1.0	3.5
19	152	3	4	7.5	13.0	114	5	5	8.0	13.0	94	4	4	2.5	2.0	75	17	11	1.5	4.0	54	—	6	3.5	8.0	49	5	4	3.5	6.5	35	9	3	3.0	5.0	20	1	2	1.0	3.0
20	152	4	4	6.5	12.0	115	4	5	9.0	15.0	94	8	4	3.0	6.0	81	11	13	5.0	9.5	55	8	5	4.0	7.5	49	2	4	4.0	7.5	32	2	1	2.0	2.5	20	2	2	1.0	2.5
21	152	2	4	8.0	13.0	116	7	5	10.0	16.0	98	4	8	3.0	7.0	77	16	8	4.5	7.5	55	6	5	4.5	9.0	49	6	2	4.5	8.5	32	2	2	1.5	3.5	18	3	1	1.0	3.5
22	154	2	4	7.5	12.5	117	6	6	9.0	15.5	96	6	4	8.0	8.0	85	12	14	5.0	8.5	55	10	5	3.5	6.0	51	4	4	4.0	8.0	32	4	2	1.5	3.5	18	2	2	1.0	2.0
23	154	2	4	7.5	13.5	119	6	8	7.5	13.5	96	9	10	2.0	4.5	77	16	7	3.5	6.0	57	10	4	4.0	7.0	51	4	4	5.0	8.0	32	4	2	1.5	4.0	18	2	2	1.0	3.0

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia at 38.8N Long. 72.2W   Month September 19 62

Frequency (Mc)

Hour (LST)	.135					.500					2.5					5					10					20				
	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm
00	112	6	5			89	5	4			72	6	5			67	5	4			42	2	2			24	0	1		
01	112	6	5			89	4	4			73	5	7			66	6	4			41	5	2			23	1	1		
02	111	7	6			89	6	4			73	5	5			65	5	4			41	4	2			23	1	1		
03	111	6	4			89	5	4			72	7	4			64	4	3			40	3	2			22	2	0		
04	112	7	5			88	6	5			72	6	5			63	5	4			39	4	2			22	2	0		
05	110	7	4			81	8	5			70	6	6			63	5	6			39	2	2			22	1	0		
06	97	11	7			59	8	4			50	6	6			57	4	6			42	3	2			23	0	1		
07	96	11	6			58	5	4			44	6	3			49	7	6			44	4	4			23	1	1		
08	96	7	9			58	5	4			33	6	3			41	6	4			43	6	3			26	1	1		
09	93	9	7			59	4	4			30	4	2			38	5	3			41	5	2			26	1	1		
10	94	8	7			59	5	4			29	4	3			36	5	5			39	5	2			26	1	1		
11	94	10	6			59	6	3			29	4	4			35	6	4			39	4	2			26	1	1		
12	95	7	1			62	8	6			29	7	3			35	8	2			37	4	2			27	1	1		
13	98	9	10			64	8	7			29	8	3			37	6	3			40	5	4			27	1	1		
14	100	18	11			64	23	6			32	12	4			40	13	4			51	2	12			28	3	1		
15	99	20	10			64	20	6			33	11	4			44	9	5			46	6	5			29	2	2		
16	99	20	10			65	23	7			43	13	6			49	9	7			49	4	4			29	2	1		
17	100	19	11			64	22	7			50	11	5			55	6	6			51	3	4			30	1	3		
18	103	12	9			70	16	6			60	7	5			61	4	4			51	4	2			28	3	1		
19	109	5	7			80	10	6			67	6	7			65	4	6			51	4	4			27	3	1		
20	112	6	8			85	8	8			70	5	4			69	4	5			49	5	4			24	1	1		
21	113	4	7			87	6	8			71	4	5			69	4	4			48	4	5			24	1	1		
22	113	4	7			88	6	7			72	4	6			68	4	3			44	4	3			24	1	1		
23	113	5	6			89	6	6			72	6	6			66	5	2			43	3	3			24	1	1		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.135					.500					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	113	5	10			90	5	8			68	7	6			61	5	4			38	2	2			23	1	1		
01	112	5	9			90	5	7			66	9	5			59	5	2			38	2	2			23	1	1		
02	111	7	8			88	7	5			67	8	8			59	4	3			38	2	3			23	0	1		
03	111	8	8			88	6	8			65	11	5			59	5	3			38	3	3			22	1	0		
04	109	11	8			85	7	7			62	9	5			59	4	4			34	5	2			22	1	0		
05	106	11	7			79	11	5			62	8	6			58	5	3			34	3	2			23	0	1		
06	98	7	6			65	6	7			51	7	5			56	6	5			35	4	2			23	1	1		
07	95	8	7			62	10	5			40	6	6			48	7	4			37	4	3			23	1	1		
08	93	12	6			62	10	5			35	5	5			37	5	4			42	6	2			27	2	1		
09	93	12	6			62	12	5			32	6	4			34	5	3			41	6	3			28	1	2		
10	93	12	6			61	12	3			32	3	5			32	5	3			39	6	2			28	1	2		
11	93	10	6			62	8	4			32	2	4			31	4	4			39	5	2			28	2	2		
12	92	11	5			62	7	4			32	2	2			31	3	3			37	5	2			31	3	1		
13	95	13	8			62	8	4			32	4	3			33	3	5			39	4	3			32	3	2		
14	94	16	6			63	9	3			34	4	4			34	9	3			40	6	2			33	3	2		
15	96	14	9			62	11	2			35	10	5			37	11	3			42	7	3			33	4	2		
16	96	18	2			63	9	3			40	12	5			45	10	6			41	6	5			28	3	4		
17	97	16	5			63	14	3			51	12	9			54	4	8			42	6	4			28	2	4		
18	102	13	6			73	9	9			58	12	6			57	6	5			42	6	4			25	2	1		
19	104	14	4			80	8	10			62	10	6			59	5	5			40	6	3			24	1	1		
20	109	12	6			86	10	8			64	10	9			61	5	5			40	5	3			24	1	1		
21	110	9	5			88	7	9			66	8	5			61	4	5			38	6	2			24	1	1		
22	111	8	6			89	5	9			66	10	4			59	6	4			38	3	3			27	1	1		
23	112	6	7			88	7	8			67	9	5			60	7	4			38	3	2			23	1	0		

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

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.135					500					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	104	7	6			85	9	7			60	8	5			57	5	5			36	4	2			22	1	0		
01	102	10	5			85	10	6			59	8	4			56	7	4			35	4	2			22	1	0		
02	100	11	5			85	8	8			58	11	5			57	7	4			34	5	1			22	1	0		
03	100	10	5			83	6	9			58	11	4			57	9	5			35	4	2			22	1	1		
04	99	8	8			76	11	9			55	12	5			56	7	7			35	3	1			23	0	1		
05	97	8	7			71	14	8			55	11	6			54	7	6			35	4	1			23	0	1		
06	90	11	4			63	14	5			51	12	4			52	9	6			36	5	2			23	0	1		
07	87	10	3			59	7	6			44	4	6			50	7	7			32	7	1			23	1	1		
08	83	9	2			56	5	5			38	4	6			41	6	5			35	7	2			24	1	1		
09	83	8	2			55	6	5			32	5	4			38	4	6			33	7	1			24	2	1		
10	83	10	3			55	8	4			30	4	2			36	4	5			32	6	1			24	2	0		
11	83	12	3			56	5	4			30	4	2			33	4	3			32	3	1			24	2	1		
12	84	12	2			56	4	4			32	4	3			31	4	4			36	4	1			28	2	1		
13	84	12	2			57	6	5			33	5	3			32	5	4			37	4	2			28	2	2		
14	84	12	2			58	3	5			34	4	4			34	5	4			38	6	2			28	1	2		
15	84	13	2			57	4	4			37	3	5			38	6	4			40	4	2			28	2	1		
16	87	10	3			59	7	4			44	5	6			45	7	5			38	3	2			25	2	1		
17	91	12	4			64	11	10			51	11	7			52	5	5			38	3	2			25	1	1		
18	93	12	4			70	11	11			56	12	5			55	7	7			37	2	2			24	1	2		
19	95	12	4			78	9	13			56	12	3			56	7	8			36	2	3			24	1	2		
20	102	8	8			83	8	15			58	12	5			58	7	7			36	2	1			23	1	1		
21	102	7	6			85	7	13			59	11	3			57	8	6			36	2	1			23	1	1		
22	102	7	6			85	7	10			59	9	4			57	7	6			36	4	2			23	1	1		
23	103	7	5			84	10	6			60	8	5			56	6	5			35	3	1			23	0	1		

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dl	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dl	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dl	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dl	.495 Vdm	.495 Ldm	2.5 Fam	2.5 Du	2.5 Dl	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dl	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dl	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dl	20 Vdm	20 Ldm
00	154	2	4	10.0	17.0	127	7	4	11.0	17.0	105	4	4	10.5	17.0	83	11	4	12.0	20.0	57	6	3			59	4	6			40	8	6			24	0	0		
01	154	2	4	10.5	17.5	129	7	6	11.0	17.0	107	6	6	11.0	18.0	83	10	6	11.0	19.0	57	6	3			59	4	6			40	5	6			24	0	2		
02	154	2	4	11.0	18.0	129	7	6	12.5	18.0	107	6	6	12.5	19.0	85	10	6	12.0	20.5	57	6	4			61	7	8			38	4	4			23	1	1		
03	154	2	4	12.0	19.0	129	6	6	12.5	19.5	107	6	7	12.0	22.0	87	8	10	11.0	20.0	57	7	4			51	16	2			35	5	3			22	2	0		
04	154	4	6	13.5	21.0	131	7	6	13.0	20.5	109	4	8	12.0	20.5	85	8	9	12.0	20.5	57	8	4			49	5	3			34	2	2			22	2	0		
05	152	6	2	13.5	20.5	131	2	6	13.0	21.5	107	4	6	13.5	22.0	83	8	8	10.5	18.5	59	6	6			50	4	5			32	4	2			22	2	0		
06	154	4	7	12.5	19.5	129	2	6	13.5	21.5	99	8	6	12.5	20.5	67	11	8	9.0	16.0	58	6	5			49	4	3			32	3	5			22	2	0		
07	152	2	4	13.0	20.0	121	4	4	12.0	20.0	77	22	6	11.0	16.5	55	18	6	3.5	6.0	47	4	5			43	4	5			28	4	5			22	3	0		
08	150	4	6	12.0	18.0	113	7	5	12.5	18.5	71	25	6	8.5	14.5	55	22	6	6.0	8.5	42	7	7			33	8	6			22	6	2			22	2	2		
09	150	4	5	11.5	18.0	109	12	6	12.0	17.5	77	20	10	12.0	21.0	51	24	2	4.5	6.5	37	7	5			28	7	3			20	6	2			22	2	2		
10	150	7	4	10.0	16.5	111	14	8	13.0	19.0	76	22	10	11.0	16.0	52	22	3	6.0	9.0	33	12	2			25	7	2			18	6	2			22	1	2		
11	150	4	5	11.0	16.5	110	11	7	13.0	19.0	75	22	8	14.5	21.0	51	22	4	4.0	6.5	33	13	2			25	7	2			18	7	2			20	2	2		
12	152	0	8	10.5	16.5	111	8	6	11.5	18.0	76	20	13	10.5	16.5	51	20	4	3.5	6.0	33	10	4			23	4	2			18	4	2			20	2	0		
13	150	4	6	12.0	18.0	113	10	6	14.0	19.5	77	24	10	11.0	18.0 *		51	33	4	8.5	12.0	31	13	2			25	6	4			18	4	2			22	2	2		
14	150	6	6	12.0	19.0	111	12	6	11.0	16.0	72	25	9	8.0	13.0	51	22	2	4.0	6.5	33	12	4			25	10	4			18	10	2			22	2	0		
15	150	4	6	12.5	20.0	109	14	7	13.5	19.0	69	29	3	8.0	14.5	51	18	2	3.5	6.0	33	10	2			27	6	4			22	8	4			22	4	2		
16	146	6	4	12.5	20.0	105	16	7	12.5	17.0	71	9	4	7.5	13.0	51	12	2	4.5	6.5	33	9	2			29	4	6			26	6	4			24	2	2		
17	148	6	4	12.5	20.0	107	10	6	13.0	12.5	71	14	2	6.0	11.5	51	12	2	3.5	5.5	35	6	4			33	7	6			32	2	4			24	2	2		
18	146	6	2	11.0	18.0	109	7	4	8.5	14.0	85	2	6	6.5	12.0	63	4	6	4.0	7.0	39	8	4			41	4	4			36	5	4			24	2	2		
19	148	4	4	10.0	18.0	117	6	4	8.0	13.5	91	6	4	7.0	15.5	73	6	6	5.5	8.5	47	6	2			47	5	4			42	4	8			24	2	2		
20	150	4	6	10.0	17.0	119	6	2	9.0	15.5	95	13	4	10.0	17.0	75	12	4	6.5	11.0	51	12	4			47	6	2			42	3	7			24	2	2		
21	150	6	2	10.0	17.0	123	4	6	11.0	17.5	99	11	4	12.0	19.0	78	12	5	10.0	16.5	53	6	4			51	4	4			42	2	6			24	0	2		
22	152	4	4	10.0	16.5	123	6	2	10.5	17.0	101	9	7	10.0	16.5	83	10	8	10.0	16.0	56	7	5			51	3	4			40	4	5			24	0	2		
23	152	4	7	10.0	16.0	125	6	3	11.0	17.0	103	6	7	10.0	16.0	84	10	6	10.0	17.0	57	4	5			51	5	5			40	4	6			24	0	0		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	152	4	2	10.5	17.0	127	6	7	10.0	16.5	105	7	11	10.0	16.5	85	10	10	12.0	20.0	59	7	9			58	6	6			41	5	6			25	1	2		
01	152	5	2	10.5	17.5	129	6	9	10.0	16.0	105	8	8	10.0	16.0	85	10	9	13.0	20.5	57	9	6			56	6	4			39	4	4			23	2	0		
02	152	4	3	11.5	18.5	129	5	6	10.5	17.5	107	8	9	10.5	17.5	83	13	6	11.5	19.5	57	8	6			62	6	10			37	5	4			23	2	0		
03	152	4	2	11.5	18.5	129	6	7	11.0	17.5	107	7	10	11.0	17.5	83	12	5	12.0	20.0	57	8	6			50	12	2			35	6	3			23	1	0		
04	152	5	2	12.0	19.0	129	6	6	12.0	19.0	105	10	6	11.0	19.0	83	11	4	10.0	17.0	55	9	2			50	6	5			35	3	5			23	0	0		
05	154	2	4	12.0	19.0	129	6	4	11.5	19.0	105	6	8	11.5	19.0	83	10	9	11.5	21.0	55	8	5			50	6	6			33	8	4			23	1	0		
06	154	2	2	10.5	17.5	129	6	6	12.0	19.5	99	8	8	12.0	19.5	67	14	6	10.0	18.0	57	8	8			50	4	4			33	5	3			23	2	0		
07	154	2	4	11.5	18.5	121	6	2	11.5	19.5	83	17	10	11.5	19.5	57	21	7	7.0	9.5	45	6	5			42	6	4			29	7	3			23	2	0		
08	150	4	2	11.5	18.0	115	8	5	13.5	20.5	77	20	9	13.5	20.5	57	14	7	6.5	9.5	39	6	7			32	8	5			23	7	2			23	2	2		
09	150	4	2	12.0	18.5	111	10	8	12.5	19.0	79	19	8	12.5	19.0	55	19	6	6.0	8.5	35	5	4			28	9	8			21	5	2			23	0	2		
10	150	4	4	13.0	19.5	111	12	9	15.0	21.5	79	25	11	15.0	21.5	57	18	3	8.5	13.0	33	3	4			25	10	3			19	8	2			21	2	0		
11	150	5	4	11.5	17.0	110	13	7	15.0	24.5	81	22	12	15.0	24.5	53	25	5	8.0	15.0	31	4	3			24	9	4			19	7	2			21	0	2		
12	150	4	2	12.0	19.5	113	10	10	12.5	20.0	79	24	12	12.5	20.0	55	24	6	8.0	11.0	31	4	2			25	7	5			19	4	2			21	0	0		
13	150	5	3	12.0	19.0	111	14	8	15.0	21.5	75	25	8	15.0	21.5	55	23	6	7.5	11.5	30	8	3			26	5	4			19	4	2			23	0	2		
14	148	6	2	14.0	21.0	111	14	7	15.0	22.0	79	26	10	15.0	22.0	57	20	7	9.0	19.5	31	5	2			26	7	4			20	8	3			23	2	0		
15	150	4	4	14.0	22.0	109	13	6	14.0	20.5	79	23	11	14.0	20.5	55	24	4	10.0	13.5	31	10	2			29	6	7			25	4	6			25	2	1		
16	150	2	5	14.0	21.5	111	10	8	14.0	21.5	77	24	10	14.0	21.5	55	19	6	10.5	17.0	33	7	6			30	4	6			27	6	4			25	2	2		
17	149	4	3	13.0	20.0	111	8	8	12.0	17.0	79	21	7	12.0	17.0	59	20	10	6.0	9.5	39	6	7			34	9	3			33	4	6			25	2	2		
18	150	2	4	12.0	19.0	113	10	6	9.5	14.5	87	17	8	9.5	14.5	67	19	4	6.5	10.0	43	8	5			42	7	6			33	5	2			25	2	2		
19	148	5	2	11.0	18.0	115	15	2	10.0	15.0	93	12	6	10.0	15.0	79	12	9	12.5	21.5	49	10	4			44	6	6			37	6	4			25	2	2		
20	150	6	2	10.0	16.5	119	13	4	12.0	19.0	97	14	6	12.0	19.0	81	12	9	13.0	23.5	53	10	6			46	6	4			37	6	3			25	2	1		
21	152	4	4	10.5	17.0	121	11	4	12.5	19.0	101	12	6	12.5	19.0	83	12	8	11.5	20.5	55	12	6			48	6	4			39	5	4			25	0	2		
22	152	4	2	10.5	17.0	125	9	5	10.5	16.5	103	9	6	12.0	19.5	85	10	6	12.0	21.5	57	9	7			50	8	6			39	5	4			25	2	2		
23	152	4	2	10.0	16.5	127	9	6	10.0	16.5	107	6	7	10.5	17.5	87	9	10	11.5	21.0	59	7	6			50	6	4			39	5	4			25	2	2		

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

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fom	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	152	3	2	10.5	17.0	125	4	7	10.0	16.5	102	6	11	11.0	16.5	80	10	9	11.0	19.0	57	5	7			53	7	8			37	4	5			23	0	1		
01	152	4	2	10.5	17.0	125	4	4	10.5	17.0	102	8	10	11.0	17.0	81	13	6	12.0	21.5	55	10	6			55	4	7			35	5	5			23	2	2		
02	152	3	2	10.5	17.0	127	5	8	11.0	18.0	102	9	12	11.0	18.0	80	12	12	12.0	20.0	57	8	5			55	9	7			34	5	4			23	0	2		
03	152	4	2	10.5	17.0	127	6	6	11.0	18.0	102	10	14	10.0	18.0	81	10	14	11.0	20.0	57	8	5			47	6	2			33	7	3			23	6	2		
04	154	2	2	10.0	16.0	127	5	6	11.0	18.5	103	8	13	10.5	18.5	83	7	11	9.5	17.0	57	6	6			47	4	5			31	6	3			23	2	2		
05	154	2	2	9.5	15.5	127	6	5	11.0	18.0	102	6	13	10.5	19.0	79	8	12	10.0	17.0	57	4	6			47	4	4			31	4	4			23	2	2		
06	154	2	2	10.0	16.0	129	3	8	11.0	18.0	100	6	14	10.5	17.5	71	11	19	10.5	15.0	55	4	4			47	4	5			31	5	4			23	2	0		
07	154	2	2	10.0	16.5	121	2	6	11.0	17.5	78	11	7	9.0	15.0	55	5	6	4.5	7.0	49	6	12			41	9	2			28	9	3			23	3	0		
08	150	2	3	10.0	16.5	113	5	2	11.0	17.5	72	6	4	8.0	13.0	51	10	2	4.0	6.0	39	9	6			37	6	7			23	8	4			23	2	1		
09	148	2	2	10.5	17.0	105	6	5	11.0	15.5	72	6	2	7.5	14.0	51	4	2	4.0	5.5	35	8	2			25	4	3			19	6	4			23	0	2		
10	148	2	3	12.0	18.6	103	8	6	12.0	18.0	72	11	2	9.0	16.0	51	2	4	6.5	10.0	33	4	2			25	6	4			18	7	3			21	0	0		
11	148	2	2	12.0	18.0	103	8	4	11.5	17.5	74	10	4	8.0	15.0	55	6	4	7.0	5.5	31	4	2			23	6	2			17	6	2			19	2	0		
12	148	2	3	12.5	19.5	105	6	6	13.0	18.5	72	12	2	10.0	16.0	51	4	2	3.5	4.5	31	6	2			27	7	5			17	4	2			21	0	2		
13	148	2	3	13.0	21.0	103	8	4	12.5	17.5	72	8	4	8.0	14.0	51	6	4	3.0	5.0	31	6	2			25	6	4			17	6	2			23	0	2		
14	148	2	4	14.0	21.0	105	8	2	12.5	18.5	72	10	2	8.0	14.0	51	4	4	3.5	6.0	31	6	2			27	6	5			21	6	4			23	2	2		
15	146	4	0	15.0	22.0	103	8	4	11.5	16.0	72	12	4	8.5	14.0	51	4	4	4.5	7.0	31	8	4			27	8	6			21	10	4			23	2	2		
16	148	2	4	13.5	21.5	103	8	4	13.0	19.0	72	9	2	8.0	13.0	51	18	4	3.5	5.5	33	10	3			31	7	6			27	8	6			25	0	2		
17	146	3	2	13.0	21.0	103	15	5	9.5	15.0	75	13	5	8.5	14.0	54	8	5	3.5	5.5	39	9	10			37	5	6			31	6	4			25	0	2		
18	146	3	2	11.5	18.5	107	5	4	9.0	14.0	80	9	6	10.0	16.5	61	9	8	4.5	7.5	43	9	6			39	8	4			35	2	6			25	0	2		
19	148	2	2	10.5	17.5	109	11	3	10.0	15.0	88	9	10	11.0	19.5	69	12	9	11.0	19.5	47	8	4			41	6	4			35	4	4			25	2	2		
20	147	4	1	10.0	17.0	111	7	3	12.5	17.0	90	12	8	12.5	20.5	71	11	8	11.5	20.5	47	8	4			44	5	5			37	2	5			23	2	2		
21	150	4	2	10.0	16.0	117	5	5	11.5	16.0	93	9	10	13.0	21.0	74	8	9	12.0	21.0	51	7	5			47	7	3			38	4	6			23	2	0		
22	152	2	4	10.0	16.0	121	4	6	11.0	17.5	96	8	10	11.5	19.0	77	10	8	12.0	19.0	55	4	7			49	6	4			37	6	4			23	2	0		
23	152	3	3	10.0	16.5	123	4	5	11.0	16.0	100	7	11	11.0	19.0	79	10	6	12.0	19.0	55	4	6			51	4	6			36	5	3			23	2	1		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495*** Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	153	4	4	9.0	14.0	136	6	2	9.0	14.0	116	3	9	9.0	14.0	94	8	5	8.0	15.0	64	7	12	6.0	9.0	57	2	7	4.0	5.5	43	2	4	3.5	6.5	27	2	4	1.5	3.0
01	153	2	4	8.5	14.0	136	5	3	10.0	15.0	116	5	7	10.0	15.5*	94	6	8	8.0	14.5	64	9	12	6.0	8.5	57	5	5	4.0	6.5	42	5	3	4.0	6.0*	25	4	2	5.0	3.5*
02	153	3	4	9.0	14.0	136	5	2	10.0	16.0	114	7	3	10.0	16.0	93	2	8	9.5	15.5	64	8	12	5.5	7.5	56	5	7	4.0	6.0*	41	6	4	3.0	5.0	25	4	2	2.0	3.0
03	153	4	3	9.0	14.0	136	5	4	10.5	16.0	114	7	7	11.0	17.0	97	6	12	9.0	16.5	66	8	14	5.0	7.5	55	6	8	4.0	7.0	43	4	6	2.5	4.5	27	4	4	1.5	3.5*
04	152	3	4	9.0	14.0	136	7	3	11.0	17.0	114	6	10	11.5	19.0	94	5	11	10.5	18.0	64	7	13	6.5	9.5	53	7	7	3.0	5.0	41	2	6	1.5	3.5	26	5	3	2.0	4.0
05	151	3	4	10.0	14.0	134	4	4	11.5	17.5	111	11	7	11.5	17.0	85	4	8	9.0	16.0	61	11	7	6.5	9.5	52	5	6	3.5	6.0	39	4	4	1.5	3.5*	27	2	4	1.5	3.5
06	151	4	3	10.0	15.0	128	6	6	12.5	16.5	108	14	20	12.0	23.5	74	22	6	5.0	20.0*	54	12	6	6.5	9.5	52	6	6	4.0	6.0	43	4	4	3.0	5.5	25	2	2	2.0	4.0*
07	149	2	4	11.0	15.0	122	6	6	10.5	16.5	100	16	15	14.5	20.0	73	24	6	8.5	8.0	48	14	8	6.5	8.5	48	10	8	2.5	9.5*	41	6	6	4.0	6.0*	25	2	2	3.0	7.0*
08	149	4	6	13.0	17.0	120			12.0	20.0	110		22	14.0	19.5	73	22	10	7.5	9.5	44	9	7	3.5	5.5	47	7	8	2.0	9.0	39	4	4	4.5	6.5	25	2	2	1.5	2.5*
09	148			12.0	17.5*	118			17.0	25.0*	110			14.0	19.5*	76			4.5	5.5*	42	6	8	5.5	6.5*	41	6	11	5.0	6.5	37			5.0	8.0*	25			2.0	3.5*
10	147			13.0	19.0*	126			17.0	24.5	106		13	13.0	19.5	85			1.0	3.5	44			1.5	3.5	36			7.0	9.5	37			2.0	3.0	25			2.0	4.5
11	149			12.5	18.0*	130			7.5	20.0*	114			12.0	20.0	94			6.5	10.5	45	9		2.0	4.5	37	4	11	5.5	8.0*	41	4	8	3.0	4.5	27	3		2.0	3.5
12	151	6	2	10.5	16.0*	136			11.0	18.0	121	6	19	10.5	22.0	96	16	25	8.5	15.5*	45	11	9	6.0	10.0*	41	10	4	5.5	9.0	42	5	8	3.0	5.0	27	8	2	3.0	4.5
13	155	4	5	10.0	18.0	136	11	9	11.0	17.5*	122	10	12	11.5	19.0	101	12	23	10.5	19.0*	53	16	12	8.0	10.0*	46	7	9	5.0	8.5	41	6	6	4.5	8.5	29	5	2	3.5	5.5
14	155	6	7	11.5	17.0	140	8	11	11.0	16.0	120	11	8	11.0	17.0	97	14	24	11.5	20.0*	54	18	12	5.0	8.0	47	10	12	5.5	8.0	47	4	4	2.0	4.0*	29	6	2	3.0	6.5
15	155	6	3	11.5	17.0	139	5	11	10.0	15.5	122	8	8	10.0	18.5	96	16	15	9.0	21.0*	52	16	12	3.0	5.0	48	14	12	3.0	5.0	45	3	4	5.0	7.0	29	2	2	3.0	4.0*
16	155			9.0	14.5*	140			10.0	16.0	122			11.5	18.0	97			8.5	14.5*	58			7.0	14.5	48			7.0	9.0	49	4	6	4.5	5.5*	31			4.0	7.0
17	157	4	4	9.5	14.5*	140	5	10	9.5	19.0	118	12	6	11.5	19.5	95	14	12	9.5	19.0*	58			6.0	9.0*	59	10	10	3.0	5.0*	51	2	5	4.0	7.0*	31	4	2	3.5	5.5*
18	155	4	5	9.0	13.5*	138	4	9	10.5	18.0	117		7	9.0	16.5*	99	3	9	6.5	14.0*	64	10	8	3.0	7.0*	58	8	7	5.0	7.0	53	2	5	5.0	7.0*	29	12	1	3.5	3.0*
19	153	2	2	9.0	14.0	136	10	5	11.5	12.0	117	8	7	8.5	15.0*	99	9	10	7.5	15.0*	68	8	8	5.5	8.0*	60	9	9	5.0	8.0	49	8	5	5.0	7.0*	27	6	2	1.5	2.5*
20	152	1	3	7.5	12.0	136	6	7	10.0	16.5*	116	4	8	9.0	16.0	97	10	8	8.5	15.5*	68	8	11	5.0	8.5	58	5	9	3.5	8.0*	45	5	2	2.0	6.5*	27	4	2	2.0	3.5
21	151	4	2	8.0	12.0	134	10	8	9.0	14.0	116	5	8	9.0	15.0	95	8	8	9.0	13.0	64	12	8	6.0	9.0	55	9	8	5.0	6.5*	45	6	4	4.5	6.5	27	2	2	1.0	3.0
22	153	3	4	7.5	11.0	136	7	5	8.0	13.0	116	4	6	7.5	13.0	95	10	8	8.0	14.0	64	10	8	5.0	14.0	57	6	9	5.0	7.5*	43	4	3	3.0	5.5	27	2	2	1.0	1.5*
23	151	4	2	8.5	12.5*	136	4	4	8.5	14.5	114	7	4	10.0	15.0	93	8	6	9.0	14.0	64	6	10	7.0	12.0	55	4	8	4.0	7.0	41	4	2	4.0	7.0	27	2	2	1.5	2.5

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

*** From November 1961 the channel 4 recordings for New Delhi are for .495.

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fom	Du	Dℓ	Vdm	Ldm	.051 Fom	Du	Dℓ	Vdm	Ldm	.160 Fom	Du	Dℓ	Vdm	Ldm	.495 Fom	Du	Dℓ	Vdm	Ldm	2.5 Fom	Du	Dℓ	Vdm	Ldm	5 Fom	Du	Dℓ	Vdm	Ldm	10 Fom	Du	Dℓ	Vdm	Ldm	20 Fom	Du	Dℓ	Vdm	Ldm
00	155	6	4	9.0	13.5	133	6	6	12.0	19.0	113	6	6	10.0	19.0	93	8	7	9.5	17.5	62	9	5	10.0	15.5	59	8	4	2.5	10.5	40	7	6	2.5	5.5	25	2	1	1.5	2.5
01	155	7	4	10.5	14.0	133	8	5	11.0	18.5	113	7	4	11.0	18.5	92	10	6	10.0	17.0	64	9	8	6.5	12.0	59	4	6	5.0	8.0	38	4	6	7.0	7.0	25	2	1	1.5	2.5
02	155	7	4	11.0	15.5	132	10	4	10.5	18.0	113	7	6	9.0	12.0	91	14	6	8.0	15.0	64	9	7	6.5	13.5	59	6	7	6.5	11.0	34	6	4	5.0	5.0	25	0	2	1.0	2.5
03	155	8	4	9.5	14.5	132	8	5	11.0	18.0	113	8	6	10.0	17.5	93	8	10	9.5	17.5	64	9	8	8.5	13.0	58	7	5	6.5	10.0	32	6	3	3.5	4.5	25	0	2	1.0	2.5
04	157	6	6	9.0	13.5	134	8	6	11.0	13.5	113	8	8	10.0	19.5	91	9	13	10.0	18.0	64	9	8	10.0	16.0	65	7	6	4.0	8.0	31	4	3	3.5	5.5	25	0	2	1.0	2.5
05	156	5	4	11.0	16.0	128	9	4	11.5	18.0	100	4	8	10.5	18.0	64	26	6	10.5	19.0	63	7	8	8.5	12.0	59	4	3	7.0	11.0	36	6	5	4.0	6.0	25	2	2	1.5	3.0
06	153	6	3	9.0	13.0	124	14	8	10.0	16.5	89	19	14	13.0	19.0	63	26	6	6.5	12.0	48	9	5	8.5	16.0	50	7	5	8.0	11.0	38	5	5	8.0	10.5	25	3	2	1.5	2.5
07	153	5	4	10.5	14.0	120	15	10	12.5	18.0	87	25	10	13.5	24.0	65	22	7	7.5	13.0	44	7	3	4.5	8.0	42	11	5	5.0	9.0	34	7	6	10.0	12.5	25	4	0	2.0	4.0
08	153	8	3	11.5	17.5	120	16	10	12.0	19.5	88	25	10	12.5	22.0	63	20	5	5.0	8.0	44	5	2	6.0	7.0	40	11	7	7.0	10.5	32	7	5	3.5	6.0					
09	153	6	4	11.5	15.0	120	14	8	12.5	17.5	89	18	8	13.5	17.5	59			19.5	25.0	42	4	2	5.0	8.0	37	8	2	9.0	12.0	28	10	4	6.0	9.0					
10	153			12.5	18.5	122	12	9	12.0	19.0	87	26	8	13.0	20.0	63	15	4	5.5	8.0	42			5.0	9.5	35	10	4	8.0	11.0	28	10	4	8.0	9.0					
11	153	6	6	12.0	14.5	122	14	8	12.5	18.0	89	19	8	12.0	19.5	64	20	7	6.5	9.0	42	2	2	4.5	8.0	37	8	4	7.5	11.0	28	8	4	1.5	5.0	25	4	0	2.5	4.5
12	153	7	5	13.0	12.0	122	14	8	13.0	18.0	91	21	8	8.5	12.5	63	30	4	10.0	12.5	42	6	2	4.0	7.5	35	8	6	6.0	9.5	30	8	6	2.0	10.5	27	3	3	2.0	3.5
13	155	4	6	12.0	16.0	122	15	7	11.5	16.5	89	27	7	9.5	13.5	65	31	6	5.0	8.0	42	9	2	4.5	7.5	37	10	6	7.0	10.0	30	10	2	5.0	8.0	27	1	2	2.5	4.5
14	155	6	4	11.5	17.5	124	11	9	11.5	17.5	87	24	6	11.0	19.0	65	31	6	8.0	19.0	42	9	2	5.5	8.0	37	12	4	7.0	10.0	34	6	4	5.0	8.5	27	3	2	2.5	4.5
15	157	5	7	9.5	15.5	124	13	8	12.0	16.0	88	31	6	16.0	18.0	63	32	4	7.0	13.0	42	12	2	5.0	16.0	39	15	4	5.5	8.0	38	5	5	6.0	9.0	29	1	2	2.5	4.0
16	157	6	6	9.0	14.0	124	16	12	10.0	14.0	86	31	7	10.0	19.0	63	31	4	7.5	16.0	44	16	2	5.5	8.5	45	14	4	3.0	6.0	40	4	3	5.0	10.0	28	3	3	2.5	5.0
17	156	6	6	9.0	13.0	123	15	10	9.5	14.0	93	23	5	10.5	19.0	75	21	7	8.0	14.0	48	16	4	2.5	11.5	53	10	4	4.0	7.0	42	4	2	5.5	9.0	29	5	2	2.0	4.0
18	155	7	5	9.0	14.0	125	15	5	16.0	16.0	103	16	7	9.0	16.0	86	12	9	8.0	15.0	56	12	16	8.0	13.5	57	8	4	7.5	10.0	43	7	5	5.5	9.0	27	8	2	5.5	3.0
19	155	5	4	15.0	15.0	130	9	6	18.5	18.5	110	7	9	18.5	18.5	90	6	7	10.5	19.5	60	10	7	8.0	13.0	69	8	8	7.0	20.0	43	7	7	4.0	8.0	27	4	2	1.5	3.0
20	157	6	6	16.5	16.5	132	6	6	17.0	17.0	111	9	8	17.0	17.5	91	9	8	10.5	14.0	62	8	8	7.5	11.5	67	6	6	6.5	11.0	42	7	4	3.0	6.0	27	1	2	1.0	3.0
21	157	7	5	14.0	14.0	132	6	8	18.0	18.0	110	9	7	17.0	17.0	92	5	6	9.0	15.0	62	8	8	6.0	15.0	69	8	8	5.0	9.0	42	7	4			26	1	1	1.0	3.0
22	155	6	4	10.0	13.0	132	6	4	13.0	13.0	113	6	6	17.5	17.5	91	7	5	8.5	17.5	61	7	5	8.0	12.5	62	13	7	6.5	9.5	42	9	6	3.0	5.5	25	2	0	1.5	3.0
23	157	5	6	10.0	15.5	134	6	7	11.5	19.0	113	6	6	16.5	16.5	91	10	4	8.0	14.0	62	9	6	7.0	11.5	60	5	5	7.0	11.0	42	4	6	4.0	5.5	25	2	0	1.5	2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fom	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm
00	154	2	4	11.5	14.0	133	4	4	12.0	18.5	111	7	3	10.5	17.5	91	4	6	9.0	17.0	62	7	6	9.0	12.0	57	4	4	6.0	9.5	38	6	4	3.0	5.5	25	3	2	1.5	3.0
01	154	2	2	8.5	12.5	133	4	4	12.0	18.0	111	6	4	10.0	18.0	91	6	5	9.0	16.5	60	8	5	6.5	9.0	56	3	3	6.0	9.5	34	4	2	3.0	5.5	25	2	2	1.5	3.0
02	154	2	3	10.0	15.0	133	3	4	11.0	18.0	113	3	4	8.0	15.0	89	6	4	7.5	15.5	60	7	5	6.5	10.0	55	5	3	5.5	9.0	34	4	2	3.5	5.0	25	2	2	1.5	3.0
03	152	4	2	10.0	15.0	133	6	6	12.0	19.0	111	6	6	8.0	15.0	87	10	5	8.0	15.0	60	7	8	5.0	7.0	55	9	7	7.0	10.0	33	3	3	2.0	4.0	25	2	2	1.5	3.0
04	152	4	2	11.0	15.0	131	4	7	9.5	15.0	107	6	8	9.0	16.0	83	11	4	8.5	16.0	58	10	4	12.0	17.0	61	11	12	8.5	14.5	30	4	2	2.0	3.5	25	2	2	1.5	3.0
05	152	3	2	8.5	12.0	127	7	5	12.5	19.5	100	10	7	13.0	20.5	71	14	10	14.5	20.5	56	10	4	7.0	11.0	65	4	8	4.5	9.0	34	4	2	3.5	5.5	26	2	1	1.0	3.0
06	150	2	2	7.5	12.0	121	7	4	11.5	18.0	87	16	10	18.0	24.0	64	11	7	8.0	13.0	48	10	4	5.5	8.5	53	5	4	6.0	9.0	36	5	2	3.0	4.0	27	4	2	3.0	4.0
07	149	3	3	9.0	12.5	115	10	7	12.0	16.5	83	15	6	18.0	17.0	65	13	8	3.0	5.5	44	6	4	4.0	7.0	45	7	6	8.5	11.5	36	8	4	1.5	6.0	27	2	2	1.5	3.0
08	150	2	4	10.5	14.0	117	6	10	19.0	25.0	87	17	8	13.0	21.0	65	19	7	2.0	3.5	44	4	2	4.5	6.5	44	7	7	8.0	14.0	34	6	6	3.0	5.0	27	2	2	2.5	4.5
09	150	2	3	9.5	13.0	116	9	9	12.5	18.0	89	18	10	15.0	18.0	66			14.0	17.5	53	3	3	7.5	10.0	41	9	8	8.0	12.0	34	6	6	5.0	7.5	27			3.0	5.0
10	150			11.0	15.0	115			15.0	15.0	85	10	4			61	14	4	9.0	12.5	42			6.5	9.0	37					34			8.0	13.0	27			2.5	4.5
11	150	4	4	11.0	15.5	115	14	3	10.0	14.0	87	15	8	15.5	27.0	63	12	6	10.0	13.0	44	2	6	6.5	9.0	71	10	7	7.0	9.5	32	8	7	3.5	6.0	27	7	2	2.0	4.0
12	150	4	4	10.0	14.5	117	14	4	10.5	15.5	87	18	6	5.5	9.0	61	14	9	8.5	11.0	40	6	2	6.0	7.5	39	14	8	8.0	10.0	32	13	6	4.5	6.5	27	4	2	2.0	4.0
13	150	4	2	13.5	18.5	117	8	4	11.0	15.0	85	14	6	9.5	12.5	65	12	8	6.0	16.0	42	4	4	2.5	9.5	39	10	6	8.5	10.5	34	7	6	2.5	4.0	27	6	2	2.0	4.0
14	150	4	2	9.5	13.5	117	6	4	11.0	15.5	85	15	6	4.5	6.5	62	14	5	4.0	6.0	42	6	4	6.5	9.5	39	8	4	8.0	10.0	37	3	5	7.0	10.0	27	2	2	2.0	4.0
15	151	3	3	8.5	13.5	117	4	6	8.5	12.5	82	13	4	3.5	5.5	63	14	6	4.0	5.5	42	6	4	4.5	7.0	45	8	6	5.0	8.5	38	4	4	5.0	8.5	29	4	2	2.0	4.0
16	152	2	2	8.0	12.0	117	9	6	6.0	10.0	88	16	10	12.0	15.0	67	19	6	6.0	8.0	46	8	4	5.0	8.0	49	12	4	7.0	10.0	40	4	4	7.0	10.0	29	5	2	2.5	4.0
17	150	4	3	8.0	12.0	124	11	8	9.0	13.5	97	11	12	10.5	14.0	79	14	6	10.0	17.0	50	13	5	5.0	8.5	53	10	5	4.5	7.0	40	6	2	7.5	7.5	29	3	3	2.0	4.0
18	152	4	3	8.5	14.0	125	10	8	10.0	15.0	105	8	11	7.0	15.0	83	13	7	8.0	13.0	54	14	6	6.0	9.0	55	10	5	5.5	8.5	42	2	4	5.0	6.0	27	2	2	1.5	3.0
19	154	2	4	8.5	13.0	127	7	4	10.5	15.5	105	7	6	10.0	16.0	85	8	7	7.0	12.0	56	3	14	5.0	8.0	64	7	3	8.0	13.0	40	7	5	5.0	8.0	27	1	2	2.0	3.5
20	152	2	2	10.0	15.5	131	4	2	9.0	14.5	109	6	6	12.0	17.0	87	6	5	2.0	12.0	57	9	3	6.5	10.0	67	7	6	6.5	10.5	40	4	4	4.0	5.0	27	2	2	1.5	3.5
21	152	2	3	9.0	14.0	131	4	5	12.0	18.5	111	4	6	9.0	15.0	89	6	4	6.0	11.0	58	9	3	6.0	10.5	67	7	6	8.0	13.5	40	5	3	4.0	6.0	25	4	0	1.5	3.0
22	152	4	3	7.5	11.0	133	4	5	11.0	17.5	112	5	6	11.5	19.0	91	4	6	12.0	15.0	60	8	7	6.0	19.0	57	13	4	6.0	10.0	40	8	4	4.5	7.0	25	2	0	1.5	3.0
23	154	2	4	10.0	14.5	133	4	5	10.0	16.0	113	7	7	6.0	17.0	91	7	4	9.0	18.0	60	9	6	5.5	9.0	57	4	4	8.0	8.0	38	8	3	4.0	6.5	25	2	2	1.5	3.0

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fom	Du	Dℓ	Vdm	Ldm	.051 Fom	Du	Dℓ	Vdm	Ldm	160 Fom	Du	Dℓ	Vdm	Ldm	495 Fom	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fom	Du	Dℓ	Vdm	Ldm
00	151	3	2	7.0	10.0	127	6	2	9.0*	15.5	109	7	8	8.5*	14.0	86	8	6	7.5	14.0	58	14	4	6.0	9.0	57	4	5	6.5	10.5*	34	7	3	*	6.0*	24	0	0	1.0	2.5
01	151	5	2	6.0*	9.5*	129	2	4	12.0*	12.0	109	5	6	12.0*	18.0*	84	8	2	9.0	12.0	58	12	5	6.0*	10.0*	53	4	4	7.0*	10.0	32	7	2	3.0	5.0	24	0	0	1.0	3.0
02	151	4	2	6.0*	9.0	127	4	2	9.0*	15.0	109	4	6	8.5*	15.0	86	6	4	7.5	15.0	58	7	6	7.0*	10.0	56	6	3	6.0*	10.0*	32	6	2	2.5	7.0*	24	0	0	1.0	3.0
03	151	4	1	7.0	10.5	129	3	3	9.0*	16.0*	107	7	5	9.0	16.0	84	8	5	8.0*	17.5*	58	10	6	7.0	10.0	69	4	7	7.0*	10.0*	32	4	2	3.0	5.0*	24	0	0	1.0	2.5
04	153	2	3	8.0	12.0	129	3	4	10.5*	16.5*	104	7	5	9.5*	17.0	80	9	2	9.5	19.0	58	8	6	7.0	12.0	65	7	6	6.0	10.0	30	2	0	2.0	3.5	24	0	0	1.5	3.0
05	151	4	2	8.0	12.0	125	6	2	11.5*	12.5	95	14	7	9.5*	17.0	84	14	6	9.0	11.5	56	11	6	6.5*	11.0	63	8	6	8.0*	14.0	32	2	2	2.0	4.0	24	2	0	1.5	3.5
06	151	3	2	8.0	11.5*	117	5	4	10.0*	15.0	83	13	6	7.0	10.0	58	11	4	7.0	10.0	50	9	5	3.5*	6.0	58	9	7	5.0		36	4	2	4.0*	6.5	22	2	1	2.0	3.0
07	149	2	4	6.5*	10.0	111	11	4	5.5*	8.0	81	25	7	5.5*	8.5*	64	8	8	6.5*	9.0	44	8	2	6.0*	9.0	43	10	2	5.0*	7.0	36	6	2	4.0*	6.0	26	7	0	2.0	4.0
08	149	2	2	8.0	11.5*	109	11	4	6.5*	9.0	81	18	4	6.5*	9.0	58	15	4	1.0	2.5	44	9	2	6.5*	9.5*	41	11	4	7.0	9.0	38	4	7	7.5*	10.0	26	2	0	2.0	4.0
09	149	2	3	9.5	13.0	111	8	4	4.5	7.0	81	12	6	4.0*	6.0	59			6.0	10.0	44	3	4	6.0	10.0	39	6	4	9.5*	11.0	34	6	4	*		26			*	*
10	149			9.0*	12.0	111	12	3	8.0*	10.5	81	15*	4	3.5*	4.5	58	8	4	4.5*	2.0	43			5.5*	8.0	35*	10	1	8.5*	11.5	34	4	6	6.5*	9.5*	26	2	2	2.5*	5.0
11	149	4	2	9.5*	13.0*	113	6	4	9.0*	12.0	81	14	4	3.5*	6.0*	59	10	3	2.5*	5.0	40	4	0	7.0	10.0	39	6	4	5.0*	8.5*	30	6	2	2.0*	4.5	26	2	0	2.5*	4.0
12	149	4	2	9.0*	13.0	113	8	4	7.0*	10.0	83	14	2	4.0*	6.5*	58	9	4	3.0*	4.0	40	5	0	8.0	11.0	37	5	3	4.0*	8.0	30	6	2	2.0*	4.0	26	2	0	2.0	4.0
13	151	2	2	8.0	13.0	113	7	2	6.0*	9.0	81	12	2	6.0	8.5*	58	9	2	7.0	9.5*	42	5	2	6.0*	9.5	37	8	2	5.5*	8.0	34	4	2	4.0*	4.5	26	2	0	3.0	4.5
14	151	2	2	8.0	12.5*	111	8	2	6.0	8.5	81	9	2	4.5*	6.5*	60	7	6	4.5	7.0	42	4	2	6.5*	8.5*	39	8	3	6.0*	9.0	36	3	4	4.5*	6.5*	28	0	2	1.0	3.0
15	151	3	2	8.0	13.0*	111	8	2	4.0	6.0	82	11	5	4.0	6.0	62	14	6	8.0*	11.0	44	6	4	6.0	9.0	41	8	2	4.0*	6.5	38	6	4	3.0*	5.0*	28	0	2	3.0	4.5
16	149	2	1	6.0	10.0	109	12	2	5.0*	7.0	83	11	5*	3.0*	8.0	66	12	7	9.0*	13.0	46	5	5	5.5*	9.0	59	4	6	8.0*	9.0	40	4	4	3.0*	14.0	26	2	0	1.0	3.0
17	149	2	2	6.5*	9.5	113	10	2	7.5	10.0*	91	10	6	7.5*	12.0	76	5	10	7.5*	12.5*	49	10	4	7.5*	10.5	62	4	6	6.0*	10.0	39	5*	3	2.0*	4.5	26	2	0	1.5	3.0
18	151	0	2	8.0*		121	6	4	7.5	11.5	97	7	7	7.5*	11.5*	78	8	6	7.0	11.5	52	8	3	7.0	10.5	61	6	4	7.5	10.5	40	8	6	2.5*	4.5	26	0	2	2.0	3.0
19	151	2	2	7.5	11.0	123	3	4	7.0	11.0	98	8	5	8.0*	10.5*	82	6	8	8.0*	12.5*	54	9	4	8.0	11.5	61	7	4	3.0*	7.5*	41	6	5*	2.0*	5.0	26	0	2	2.0	3.5
20	151	4	2	6.5*	10.5	125	4	2	7.5	13.0	103	5	7	8.0*	12.0	82	4	4	7.0	11.0	56	7	6	4.5*	8.5*	65	5	7	7.5*	14.0	38	8	5	3.0*	5.5	24	2	0	2.0*	3.5
21	151	2	2	9.5*	14.0	126	4	2	8.5	13.5*	104	5	7	8.5*	13.0	84	5	6	7.0	11.0	56	8	5*	8.0*	15.0	65	6	6	6.0	12.0	36	7	4	4.0*	6.0	24	2	0	1.5	3.0
22	151	2	2	7.5	11.5*	127	4	2	9.0	15.0	105	6	9	9.0	14.0	84	6	5	6.0	10.0	56	8	4	6.0*	10.0	53	13	4	5.5*	9.0	35	7	5	3.0*	5.0	24	0	0	1.5	3.0
23	151	3	1	7.5	10.5*	127	4	2	10.0	16.0	107	4	10	10.0	15.5*	86	7	6	9.0*	14.5	56	8	2	7.0*	11.0	53	8	2	5.5*	9.0	34	5	4	2.5*	5.0	24	0	0	1.0	2.5

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

Du = ratio of upper decile to median in db

Dℓ = ratio of median to lower decile in db

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

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	137	4	2			129	11	5			105	14	4			87	8	3			61	11	3			56	8	4			35	6	6			21	3	3		
01	137	5	4			129	12	4			105	14	6			87	10	6			63	10	6			56	6	4			33	6	4			20	4	2		
02	137	4	4			130	11	5			105	12	6			87	8	6			62	10	6			58	4	6			33	6	4			22	2	4		
03	137	3	4			129	8	5			103	13	4			87	9	8			62	8	7			56	4	2			31	5	2			20	4	2		
04	137	2	4			128	5	4			101	11	5			85	10	6			62	8	6			56	4	6			31	6	4			20	4	4		
05	137	2	4			129	10	5			99	14	6			81	11	11			60	6	2			56	4	4			31	6	5			20	4	2		
06	135	4	4			121	15	5			75	30	4			59	13	4			56	9	8			54	8	8			37	6	2			20	4	4		
07	133	3	4			117	15	6			75	30	4			61	46	4			50	10	8			49	9	12			33	7	4			22	2	6		
08	133	5	4			113	13	6			75	22	4			*61					*50					*48					*27					*24				
09	131	5	2			116	15	11			77	30	4			61	42	4			50	4	5			48	4	7			25	16	2			22	4	2		
10	131	7	4			115	16	10			77	25	6			59	50	3			50	2	6			46	4	8			25	13	4			24	2	4		
11	131	9	2			117	15	9			77	26	6			59	49	2			50	2	6			46	4	8			23	13	2			22	5	3		
12	133	7	4			121	12	9			77	20	6			59	50	3			48	4	4			46	4	10			23	11	2			24	4	4		
13	136	6	4			125	7	10			79	7	7			59	46	4			47	7	3			44	6	9			25	13	2			24	6	4		
14	139	3	5			127	4	10			81	6	7			57	52	2			48	6	4			44	8	10			27	10	2			26	4	6		
15	141	2	5			127	8	6			80	26	5			59	50	3			48	7	5			45	9	10			31	13	4			26	6	4		
16	141	2	4			127	10	6			78	36	6			59	50	3			48	8	4			46	12	8			37	8	6			28	6	6		
17	139	4	2			125	15	6			83	36	8			63	47	6			50	12	6			52	12	8			43	2	6			28	6	6		
18	137	8	2			123	23	4			97	26	10			83	26	13			56	15	4			56	12	4			43	6	4			24	11	5		
19	139	5	2			129	16	5			101	24	4			85	24	7			66	12	6			56	12	4			43	7	4			24	8	2		
20	139	6	2			131	17	4			102	24	3			89	19	6			64	8	5			56	12	4			41	6	6			24	4	4		
21	137	9	2			129	17	2			105	20	5			89	15	6			66	10	6			56	12	4			37	8	4			22	4	2		
22	137	10	2			129	16	6			105	20	7			89	13	6			64	11	6			56	8	4			35	8	2			22	4	2		
23	137	9	2			129	16	4			105	19	5			89	14	7			64	13	8			56	10	4			37	4	4			22	2	4		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria S. Africa   Lat. 25.8S   Long. 28.3E   Month October   19 62

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fom	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	136	10	2			132	15	4			110	16	6			97	13	7			72	14	6			64	9	5			44	4	6			24	4	2		
01	136	8	2			132	12	6			110	14	8			95	13	7			74	6	8			63	11	6			42	4	6			24	2	2		
02	136	8	2			132	10	6			108	13	6			95	13	6			72	14	6			63	8	6			40	5	2			24	4	2		
03	136	10	3			132	9	8			108	9	9			93	9	7			68	4	8			61	8	4			40	4	8			24	4	2		
04	136	5	3			130	7	4			104	10	8			89	11	10			70	10	6			62	5	3			36	4	12			24	4	4		
05	136	3	4			126	9	6			92	19	8			63	29	3			68	8	6			61	6	4			40	6	4			24	2	2		
06	132	8	2			122	11	5			88	20	14			61	25	3			56	14	8			55	9	4			42	8	4			24	6	2		
07	132	9	3			118	12	4			88	19	12			63	16	4			52	12	6			43	14	4			36	12	3			26	2	6		
08	132	8	4			120	12	9			91	18	15			62	17	3			50	4	9			41	10	4			+34					+24				
09	132	10	4			118	14	9			89	17	15			64	11	3			50	6	8			41	10	5			32	14	4			21	4	5		
10	132	7	4			122	10	8			86	17	13			63	19	4			52	2	6			41	8	4			30	12	4			26	4	2		
11	134	6	5			122	9	8			86	18	11			63	13	4			52	2	8			39	6	4			30	12	6			28	4	4		
12	136	5	4			128	5	8			94	18	11			67	28	8			51	5	5			41	6	6			34	10	6			30	4	12		
13	140	4	4			130	14	5			99	28	12			73	36	13			54	16	6			45	16	8			38	12	6			32	4	6		
14	142	8	4			132	18	4			106	26	20			77	38	16			52	24	6			47	18	8			42	10	4			34	2	4		
15	142	10	4			132	20	4			108	24	21			81	30	19			56	28	6			49	18	8			46	8	4			34	4	2		
16	144	7	4			134	16	6			112	20	25			87	23	24			56	26	6			57	14	21			50	6	4			36	2	8		
17	142	8	4			136	16	10			113	19	23			89	24	21			64	18	12			63	12	10			50	8	2			36	6	12		
18	142	10	5			136	16	10			114	19	14			98	13	13			76	10	12			67	8	4			52	6	4			33	3	5		
19	142	9	5			136	15	6			116	14	11			101	12	10			80	12	16			67	10	4			50	4	2			31	3	7		
20	142	8	6			136	14	6			114	16	8			102	13	9			78	10	6			65	10	2			50	2	6			28	4	8		
21	140	9	4			136	12	8			112	16	6			99	14	6			76	10	10			63	8	4			46	6	4			26	4	4		
22	138	12	2			134	14	6			112	17	6			99	12	7			78	10	10			63	8	4			44	8	6			26	1	6		
23	138	9	2			134	12	6			112	15	6			97	16	7			76	12	6			63	8	2			42	6	2			24	6	3		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3E   Month November 19_62_

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	143	5	5			143	6	7		7	119	8	7			104	8	8			75	8	22			65	6	4			44	4	4			22	5	8		
01	141	6	2			139	7	5			119	8	15			102	10	10			73	6	16			63	6	2			44	2	6			20	9	4		
02	141	7	4			137	9	4			117	4	10			100	9	11			71	9	15			63	6	4			40	4	14			20	6	6		
03	139	7	2			137	7	6			115	7	9			100	7	13			71	8	9			61	8	2			38	6	5			20	6	6		
04	141	4	5			135	8	6			111	8	10			90	13	7			71	7	19			59	7	2			38	4	15			20	4	4		
05	139	6	4			131	12	6			101	17	11			74	25	15			65	7	11			59	6	4			42	7	4			18	6	2		
06	137	6	7			129	9	5			99	14	14			68	25	18			56	14	22			56	5	11			38	4	12			20	4	6		
07	137	4	6			127	10	8			95	16	10			68	24	18			52	10	13			49	8	15			34	8	10			20	6	4		
08	135	4	2			125	8	6			95					66	28	2			51	2	14			45					29					20				
09	136	3	5			127	11	8			98	15	11			65	29	3			51	4	8			46	8	14			34	8	10			24	4	6		
10	137	9	5			129	13	11			99	10	16			89	36	5			57	6	10			45	14	11			32	10	10			26	8	6		
11	139	7	6			135	10	10			109	18	20			88	19	24			50	21	11			47	12	10			40	4	14			26	5	6		
12	145	2	7			141	8	8			119	15	16			96	19	25			59	18	18			51	13	12			42	8	15			28	9	8		
13	147	5	4			146	8	6			121	21	11			100	16	24			61	20	16			55	23	12			46	10	8			30	12	7		
14	149	4	3			147	6	8			121	21	10			104	14	22			69	15	16			55	16	8			48	7	4			32	10	12		
15	149	6	4			149	9	8			125	17	13			106	15	22			69	20	12			59	16	9			50	10	4			39	6	15		
16	149	5	3			149	9	8			123	23	8			104	14	18			69	24	15			61	16	6			50	5	2			33	7	7		
17	149	4	3			147	6	6			123	16	9			106	17	17			69	16	8			65	11	4			59	4	4			32	12	12		
18	147	8	2			147	8	7			123	15	8			102	17	19			75	18	10			69	8	3			54	5	4			32	8	11		
19	147	7	4			145	10	4			121	16	4			104	15	10			81	6	5			71	8	2			52	6	3			30	10	14		
20	147	10	5			147	9	7			121	15	6			106	9	8			81	7	5			71	7	3			50	6	3			27	7	10		
21	145	6	4			145	7	4			121	18	3			104	12	4			81	5	27			69	8	3			48	9	4			22	18	8		
22	145	6	7			143	8	4			121	10	9			104	14	6			79	8	2			67	8	4			46	8	4			22	18	8		
23	145	5	6			143	9	6			121	10	11			106	6	8			77	8	28			65	9	4			46	6	4			20	6	6		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fom	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fom	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fom	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fom	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm	2.5 Fom	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fom	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fom	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fom	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	146	10	9			132	9	13			119	11	5			91	8	10			65	6	17			63	8	12			45	9	15			26	4	4		
01	146	5	11			133	7	16			116	7	7			91	8	10			64	9	11			57	14	8			42	11	19			26	3	4		
02	147	7	9			132	4	14			117	9	8			87	10	11			66	7	18			57	9	9			43	12	20			24	4	2		
03	145	10	6			130	8	12			115	6	8			87	8	14			69	4	16			57	8	9			43	12	11			24	4	2		
04	143	15	7			129	10	10			115	11	6			85	8	16			63	8	8			57	7	13			40	7	11			26	3	5		
05	143	9	14			127	5	9			103	11	6			72	18	12			65	5	10			53	12	9			37	10	18			25	3	3		
06	143	13	20			122	6	6			91	8	8			63	12	10			57	6	7			53	6	7			41	6	13			24	6	2		
07	143	12	23			116	12	4			86	8	7			59	9	7			49	4	11			45	2	9			43	4	16			27	9	5		
08	137	8	14			*118					85	12	6			59	10	8			41	12	8			37	10	6			43	4	19			*30				
09	*141					*114					*87					*62					*45					*33					*43					*26				
10	*139					117	8	6			91	7	16			*61	7	10			*39					29	6	14			39	8	9			28	16	4		
11	143	5	7			118	10	10			93	6	15			65	19	10			41	7	10			27	4	3			37	8	16			28	2	5		
12	141	10	12			124	7	18			99	12	17			67	21	14			41	8	10			29	13	10			35	7	11			26	5	4		
13	143	10	7			126	6	10			101	14	16			67	30	13			42	11	9			32	11	14			37	9	15			30	6	6		
14	145	10	6			*128					113	10	31			65	26	12			44	6	9			39	13	14			37	10	13			28	6	5		
15	143	14	14			132	12	40			113	12	34			83	25	24			44	10	7			41	14	20			43	6	14			29	4	3		
16	149	8	8			129	11	7			103	22	22			83	26	28			47	19	10			47	12	16			45	8	10			32	5	2		
17	146	12	6			131	14	7			108	19	23			81	25	20			55	15	13			45	10	12			47	8	11			34	5	4		
18	145	10	5			132	9	10			111	14	12			87	18	14			61	12	15			59	7	11			51	14	10			30	8	2		
19	145	9	8			136	8	18			115	12	14			93	18	12			69	10	16			59	8	12			47	9	11			30	6	7		
20	145	10	14			134	8	14			117	6	17			95	14	12			71	7	17			61	8	10			47	8	16			28	4	5		
21	145	8	16			134	6	10			117	6	12			91	7	8			65	11	11			59	7	10			45	10	12			26	4	3		
22	147	6	8			133	5	11			115	10	10			91	6	12			67	10	16			57	10	12			47	10	16			26	3	3		
23	146	9	18			130	12	16			113	10	5			91	9	10			65	8	13			58	10	10			44	13	13			26	2	5		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya   Lat. 1.3N   Long. 103.8W   Month June   1962

Frequency (Mc)

.013

Hour (LST)	Fam	Du	Dℓ	Vdm	Ldm
00	158	8	4	7.0	12.0
01	158	8	4	8.5	14.0
02	158	6	4	9.0	15.0
03	158	8	2	10.0	15.5
04	158	8	2	11.0	17.0
05	160	4	4	10.0	16.0
06	160	4	6	11.0	17.0
07	158	6	6	12.0	18.5
08	157	9	5	12.0	19.0
09	157			12.0	18.0
10	157			12.5	19.5
11	158			14.0	20.0
12	159	11	4	14.0	21.0
13	162			12.0	19.0
14	162			12.0	19.5
15	162	4	2	12.0	20.0
16	164	6	5	11.5	18.0
17	162	6	4	11.5	18.5
18	160	8	4	13.0	19.0
19	159	4	3	10.0	15.5
20	160	2	6	11.0	16.5
21	156	5	2	10.5	16.0
22	158	2	4	9.5	14.0
23	158	4	2	9.5	14.5

.051

Hour (LST)	Fam	Du	Dℓ	Vdm	Ldm
00	139	6	4	10.0	16.5
01	139	8	4	9.5	14.5
02	139	4	4	9.5	15.0
03	141	4	6	9.5	16.0
04	139	5	6	10.0	17.0
05	139	7	7	12.0	18.5
06	133	8	6	12.0	19.0
07	132	13	7	13.5	20.5
08	131			14.5	24.0
09	131			15.0	25.0
10	131			15.5	24.0
11	133			13.5	21.5
12	133	4		15.0	23.0
13	132			13.5	22.0
14	136			13.5	22.0
15	139	10	6	11.0	20.0
16	140	12	7	12.5	21.0
17	140	9	9	12.5	22.0
18	139	10	7	12.0	19.5
19	139	4	6	12.5	19.5
20	122	4	7	11.0	18.5
21	137	7	4	11.0	18.0
22	137	6	4	10.5	16.5
23	139	4	4	10.0	16.0

.160

Hour (LST)	Fam	Du	Dℓ	Vdm	Ldm
00	122	4	7	8.0	14.5
01	122	5	6	8.0	14.0
02	121	6	7	8.5	16.0
03	120	6	4	10.0	17.5
04	120	7	6	10.5	19.0
05	116	7	7	11.0	21.5
06	111	14	14	14.0	24.0
07	116	12	16	15.0	25.0
08	106	20	10	14.5	24.0
09	104	28	8	15.0	24.0
10	101			16.0	25.0
11	109				
12	108	20	10	15.0	27.5
13	110	18	8	16.0	24.0
14	110			13.5	
15	120	13	12	13.0	23.5
16	120	11	10	12.5	21.0
17	116	13	11	12.0	21.0
18	120	11	8	11.0	18.0
19	122	3	7	9.5	17.0
20	120	5	5	9.0	16.0
21	120	6	6	9.0	15.5
22	120	4	5	8.5	16.0
23	120	7	2	10.0	17.0

.545

Hour (LST)	Fam	Du	Dℓ	Vdm	Ldm
00	95	8	6	7.0	14.0
01	95	8	4	8.5	15.5
02	95	6	4	8.0	15.0
03	95	6	6	10.0	18.5
04	93	8	2	10.5	19.0
05	85	9	10	13.0	21.5
06	75	18	12	14.0	24.0
07	75	24	10	15.0	25.0
08	70			14.5	26.0
09	72			15.0	24.0
10	69				
11	77				
12	77			16.5	27.5
13	81			13.0	24.0
14	85				
15	97	17	15	9.5	21.0
16	97	10	11	13.0	24.0
17	97	12	16	10.0	21.5
18	95	17	4	8.5	15.5
19	96	14	5	9.5	17.0
20	96	6	7	8.0	16.0
21	95	6	6	7.5	14.0
22	95	4	6	8.5	16.0
23	95	6	4	8.5	17.0

2.5

Hour (LST)	Fam	Du	Dℓ	Vdm	Ldm
00	65	4	4	6.5	11.5
01	67	12	6	7.0	11.5
02	65	4	3	6.0	11.5
03	67	3	6	7.0	12.0
04	67	3	6	8.0	12.5
05	65	4	5	8.0	13.5
06	59	5	8	8.0	15.0
07	53	8	12	10.5	17.0
08	48	13	18	11.0	16.0
09	39	20	12	12.0	18.0
10	39	30	12	11.0	16.5
11	35	29	6	12.5	15.0
12	38	36	10	16.5	28.0
13	39	34	10	14.0	25.5
14	43	20	10	11.0	21.5
15	49	23	8	10.5	21.0
16	54	22	7	8.5	16.0
17	59	11	6	8.0	14.0
18	65	5	6	8.5	15.5
19	67	5	4	8.0	15.0
20	67	4	4	9.5	14.0
21	65	4	5	7.5	14.0
22	64	5	3	6.0	12.0
23	65	2	4	7.0	12.0

5

Hour (LST)	Fam	Du	Dℓ	Vdm	Ldm
00	57	4	2	7.0	10.5
01	57	4	2	5.0	9.0
02	57	4	4	5.0	8.0
03	55	4	2	4.5	7.5
04	55	4	5	5.0	7.5
05	53	5	6	6.0	9.5
06	55	4	4	7.5	12.0
07	51	6	8	10.0	16.0
08	45	7	8	11.0	16.0
09	41	14	10	9.5	18.0
10	37	22	4	11.0	17.0
11	36	24	6	10.0	17.0
12	37	20	8	10.0	15.0
13	41	22	10	10.0	16.5
14	43	16	8	9.0	15.5
15	49	10	4	8.0	15.0
16	53	9	4	8.0	14.5
17	47	3	3	6.5	12.0
18	61	2	4	6.0	10.0
19	63	3	4	6.0	10.0
20	59	3	2	5.0	9.0
21	59	3	3	5.0	9.0
22	57	4	2	5.5	9.5
23	57	4	0	5.5	10.0

10

Hour (LST)	Fam	Du	Dℓ	Vdm	Ldm
00	45	2	5	5.0	7.0
01	43	4	6	4.5	7.5
02	41	9	5	5.5	9.5
03	37	12	4	5.0	7.5
04	37	15	6	3.5	5.0
05	36	5	2	5.0	7.0
06	43	4	4	5.0	8.5
07	43	4	4	8.0	11.0
08	39	6	4	9.0	14.0
09	37	12	8	9.0	15.0
10	37	12	4	10.0	16.0
11	37	14	4	9.5	15.5
12	37	14	4	9.5	15.0
13	39	10	4	9.5	14.0
14	41	8	6	7.0	12.0
15	44	10	3	6.5	10.5
16	47	5	3	6.0	9.0
17	49	3	3	6.5	8.0
18	49	4	2	4.5	8.0
19	50	3	3	4.0	2.0
20	49	4	2	4.5	8.0
21	49	3	2	4.0	7.0
22	48	4	3	4.0	7.0
23	47	4	4	4.0	7.0

20

Hour (LST)	Fam	Du	Dℓ	Vdm	Ldm
00	23	2	0	1.5	3.0
01	23	2	0	2.0	3.0
02	23	2	0	2.0	3.5
03	23	2	0	2.0	3.5
04	23	2	0	2.0	3.5
05	23	2	0	3.0	5.0
06	23	2	0	3.0	5.0
07	25	4	2	4.0	5.5
08	25	6	4	4.0	5.5
09	25	13	4	3.5	5.5
10	23	11	2	5.5	7.0
11	25	14	4	5.0	7.0
12	25	18	2	4.0	6.5
13	27	6	4	5.0	7.0
14	27	10	4	4.0	7.0
15	29	10	2	4.0	7.0
16	29	11	2	4.0	7.0
17	29	6	0	4.0	7.0
18	31	7	4	3.5	6.5
19	31	5	2	3.5	5.5
20	31	7	4	4.0	7.0
21	29	2	2	3.0	6.0
22	26	4	2	3.0	6.0
23	25	2	2	3.0	4.5

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya   Lat. 1.3N   Long. 103.8E   Month July   1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	156	4	4	9.0	13.0	137	5	5	9.5	14.0	120	4	7	9.0	14.5	96	4	8	8.5	16.0	63	5	5	6.5	11.0	57	4	7	6.0	8.0	45	5	5	6.0	6.5	23	2	0	2.5	4.0
01	158	2	5	10.0	15.0	139	4	7	8.5	14.0	120	4	7	9.5	16.0	96	4	8	9.5	19.0	65	3	6	6.0	10.0	60	3	10	6.0	8.5	43	9	6	5.5	9.0	23	2	2	2.0	3.5
02	158	2	6	9.5	15.0	139	4	6	8.0	13.5	120	4	6	9.5	17.5	96	4	7	9.5	19.0	65	6	6	6.0	12.0	58	7	8	5.0	9.5	41	11	6	5.5	8.5	23	2	2	2.5	3.5
03	158	4	4	9.0	14.0	139	2	6	9.5	15.0	120	5	6	10.0	16.0	96	4	7	10.0	16.0	65	6	4	7.0	12.0	56	5	8	4.5	8.0	38	5	4	3.5	5.0	23	2	0	2.0	4.0
04	158	4	5	10.0	15.0	137	6	4	10.0	17.0	120	4	6	9.0	15.5	94	5	6	10.0	15.5	65	6	4	7.0	14.0	56	6	8	5.5	8.0	38	9	6	3.5	5.5	23	3	2	2.0	3.5
05	158	4	6	9.0	13.5	137	6	4	12.0	19.5	118	5	10	10.0	20.0	88	11	10	16.0	24.0	65	4	6	8.0	13.0	52	8	9	6.5	10.5	38	14	4	5.0	7.0	23	3	2	2.0	3.5
06	158	2	4	10.0	16.0	133	8	8	11.0	18.5	114	10	16	6.0	10.5	78	25	10	11.0	17.5	59	6	8	9.0	15.0	56	5	6	7.5	12.0	42	17	2	5.0	8.0	23	2	2	2.5	4.0
07	156	4	4	11.0	18.0	133	6	10	14.5	22.5	112	12	15	14.0	24.0	82	22	8	12.0	19.0	54	6	8	7.5	14.0	54	3	6	9.0	15.0	43	11	4	6.0	10.5	23	2	2	2.0	4.0
08	156	6	4	13.5	20.5	131	14	5	16.0	26.0	111	14	18	15.0	25.0	76	28	13	19.0	30.0	47	13	8	11.5	20.0	48	9	10	11.5	16.0	40	12	6	8.0	13.0	23	11	2	3.0	5.5
09	154	7	4	14.5	19.0	131	10	14	12.0	28.0	104	20	15	2.5	4.0	72	31	15	20.0	24.0	37	22	6	9.5	15.5	42	10	10	11.0	12.0	37	10	5	8.5	13.0	23	2	2	3.5	5.0
10	152	6	2	13.0	20.0	125	13	6	16.0	25.0	96	28	14	9.5	15.0	61	43	7	16.5	26.5	29	26	2	7.0	12.5	34	17	8	7.5	14.5	36	9	8	9.5	13.5	21	5	0	3.0	5.0
11	154	6	6	13.0	20.0	128	13	9	15.0	25.0	98	33	12	7.5	13.0	71	38	17			29	30	4	8.0	12.5	34	13	6	8.0	13.0	37	12	9	9.0	14.0	23	9	2	4.5	7.0
12	156	6	6	12.0	18.5	129	13	8	14.5	23.5	104	20	14	14.5	23.5	72	29	10	14.0	23.0	32	38	7	9.0	16.0	36	14	6	10.5	16.0	35	14	5	9.0	13.5	23	4	2	5.0	7.0
13	156	5	5	12.0	18.0	129	16	6	11.0	18.0	108	18	16	11.0	19.5	78	26	11	15.0	19.5	35	30	8	9.5	17.5	37	15	9	10.0	15.0	37	10	5	9.5	15.0	23	2	2	4.5	6.0
14	158	3	4	11.0	17.5	130	14	4	11.5	19.0	108	12	10	11.5	22.0	81	25	10	13.5	22.0	35	28	5	8.0	13.0	40	12	9	9.0	14.0	40	10	6	10.0	16.0	25	6	4	4.5	6.5
15	158	4	4	9.0	15.0	136	7	11	11.0	19.0	112	14	8	12.0	19.0	87	24	15	12.0	23.0	45	21	12	11.0	21.0	47	9	10	9.5	15.5	43	14	5	6.5	12.0	25	6	2	3.0	5.5
16	160	4	4	9.0	14.0	137	8	10	11.0	18.5	111	15	7	11.0	20.0	85	19	11	10.5	21.0	51	18	12	8.0	14.0	50	17	2	7.0	13.0	44	21	4	5.0	8.5	27	2	4	4.0	7.0
17	158	4	4	9.5	15.0	132	9	3	12.5	22.5	114	8	10	11.5	22.5	87	18	13	9.0	17.0	59	10	13	6.5	13.0	54	4	5	6.0	11.0	45	20	1	4.5	8.0	27	2	2	5.0	8.0
18	156	4	3	9.0	14.5	135	6	8	11.5	20.0	116	8	6	9.0	17.0	92	8	8	7.5	16.0	61	9	8	6.5	12.5	60	5	5	5.5	9.5	48	7	2	5.0	8.0	27	6	2	4.0	6.5
19	158	4	4	10.0	15.0	137	4	6	11.0	19.0	118	6	4	10.0	17.0	96	5	8	2.0	14.5	67	4	6	6.0	11.0	62	2	4	5.0	9.0	47	5	2	5.0	8.0	27	3	2	3.5	5.0
20	156	6	4	10.0	15.5	137	4	6	10.0	17.0	116	6	4	9.5	17.0	96	5	5	2.5	14.5	67	3	8	7.0	12.0	60	4	4	6.0	11.0	48	4	3	5.5	8.5	25	2	0	3.0	5.0
21	156	3	3	9.5	14.5	135	4	2	9.0	16.0	118	6	4	9.5	16.5	96	4	7	9.5	17.0	67	2	7	7.0	13.0	60	4	6	5.5	9.5	48	3	4	5.0	6.0	25	2	2	3.5	5.0
22	156	4	4	9.5	14.0	135	6	2	10.0	17.0	118	6	8	9.5	16.5	96	4	7	9.5	16.5	65	3	7	6.5	11.0	58	4	4	6.0	9.5	49	4	6	5.5	10.0	23	2	0	3.5	4.5
23	156	5	4	9.0	13.5	137	6	4	8.5	14.0	120	4	9	9.0	16.0	96	2	7	8.5	15.0	63	4	4	6.5	15.0	58	3	7	6.5	8.5	45	5	4	5.5	9.5	23	2	0	2.5	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya   Lat. 1.3N   Long. 103.8E   Month August   1962

Frequency (Mc)

Hour (LST)	.013 Fom	Du	Dℓ	Vdm	Ldm	.051 Fom	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	2.0 Fam	Du	Dℓ	Vdm	Ldm
00	156	2	6	9.0	15.0	138	2	6	9.0	15.0	122	3	7	9.0	16.5	93	6	6	9.0	17.5	65	4	6	6.5	12.5	58	4	6	6.0	10.5	41	6	3	3.0	6.5	24	1	0	2.0	4.0
01	156	4	6	10.0	15.0	138	2	6	10.5	16.5	122	2	7	9.0	16.0	95	4	6	8.5	18.0	66	5	5	7.0	14.0	56	6	5	6.0	10.5	41	7	4	3.0	7.0	24	1	0	2.0	4.0
02	154	6	4	10.0	15.0	136	6	3	10.0	16.5	120	6	5	10.0	19.0	95	6	4	9.0	18.0	65	5	5	8.0	13.0	60	4	10	5.0	8.5	39	8	4	4.0	7.0	24	0	2	2.5	4.5
03	155	6	4	9.5	15.0	136	7	5	10.0	17.5	120	6	6	10.0	18.0	95	4	7	8.0	17.0	65	6	2	7.5	14.0	56	4	6	7.5	13.0	39	8	6	4.0	7.5	24	2	2	2.5	5.0
04	154	7	3	9.0	15.0	138	6	6	11.0	18.5	122	4	8	10.0	20.0	95	4	6	6.0	17.0	65	6	6	8.0	15.0	52	6	5	8.0	15.0	35	8	2	2.5	5.0	24	2	2	2.5	4.0
05	155	6	3	10.0	16.0	135	7	3	11.0	18.0	119	8	7	11.0	20.0	89	8	14	11.5	20.0	63	6	4	8.5	15.5	52	6	8	5.0	9.0	35	6	2	2.5	4.5	24	1	2	2.0	4.0
06	154	6	2	10.0	15.5	130	8	8	12.0	19.5	110	14	12	14.5	25.0	81	14	18	12.5	25.0	59	6	4	9.0	14.5	54	4	6	6.0	11.0	41	2	4	5.0	8.5	24	0	2	3.5	5.0
07	152	8	2	11.5	18.0	130	6	12	14.0	24.5	108	12	12	16.0	23.5	75	14	14	12.5	22.0	53	6	10	12.0	18.0	48	4	6	7.5	14.0	40	5	3	7.0	10.0	24	2	2	4.0	7.0
08	152	6	4	12.0	19.0	128	7	10	17.5	27.5	104	10	9	15.5	26.0	71	22	12	16.5	20.0	44	9	7	11.5	15.5	42	9	6	11.5	15.5	37	4	4	9.0	13.5	24	2	2	2.0	4.0
09	153	5	5	12.5	20.0	125	10	7	17.5	22.0	103	13	5	17.0	30.0	69	20	12	9.5	16.0	37	11	8	12.0	19.0	36	8	6	13.0	18.0	33	7	5	8.0	12.0	22	2	0	5.5	8.5
10	152	6	4	12.5	20.5	125	7	11	15.5	27.0	104	21	7	14.5	24.5	71	23	12	15.0	23.5	33	22	8	7.0	10.5	33	9	8	10.0	13.5	32	11	4	9.0	13.0	22	8	0	3.0	5.0
11	154	6	4	14.0	21.0	127	7	11	15.0	25.0	104	21	14	17.0	27.0	77	29	15	14.0	23.0	32	33	5	8.0	11.0	34	16	8	9.0	13.0	31	13	4	11.0	12.0	24	8	2	3.5	5.5
12	154	6	4	12.0	20.5	132	12	10	14.5	24.0	110	21	12	17.0	27.0	90	18	25	14.0	27.5	33	30	6	11.0	16.0	38	14	10	10.0	16.0	33	10	5			25	7	3	4.0	7.0
13	157	6	7	11.5	19.0	134	12	9	14.5	23.5	119	11	17	13.5	27.0	95	9	20	14.0	25.0	53	16	16	14.0	25.0	44	11	16	11.0	17.0	37	7	7	10.0	16.5	26	4	3	4.0	6.0
14	157	7	4	10.5	17.0	136	10	12	12.5	22.0	116	14	14	12.5	23.0	92	11	13	13.5	27.5	53	9	22	10.5	19.5	46	5	14	11.5	16.5	39	5	6	8.0	11.0	26	5	2	4.5	7.0
15	160	6	8	9.5	15.0	137	9	7	10.0	18.5	116	12	12	12.0	23.0	87	17	10	13.0	24.5	53	10	22	11.5	18.5	47	11	9	10.5	16.5	39	8	4	7.0	12.5	26	4	2	4.0	7.0
16	160	5	6	9.0	14.0	136	8	4	11.5	20.5	116	8	15	11.5	20.5	91	8	17	12.0	23.5	53	10	18	8.0	16.0	50	4	8	6.5	11.0	43	3	3	6.0	10.0	27	2	3	4.0	6.5
17	158	4	5	8.5	14.5	134	7	13	11.0	19.5	112	10	12	11.5	20.5	87	8	13	10.5	18.0	55	5	11	10.0	15.0	54	4	8	10.0	14.0	46	3	3	4.5	8.5	26	2	0	3.0	6.0
18	155	6	4	10.0	16.0	134	6	9	11.0	20.5	118	4	5	10.0	19.0	93	4	10	7.0	15.0	61	6	8	6.5	11.5	60	4	6	5.0	10.0	47	2	2	4.0	7.5	26	2	2	3.5	6.0
19	156	5	5	9.5	15.5	136	6	4	11.0	19.0	120	6	6	9.0	17.5	94	3	7	9.0	15.5	65	7	7	6.0	12.5	62	4	3	6.0	11.0	47	4	2	4.5	8.0	28	3	2	4.0	6.0
20	156	4	6	9.5	15.5	136	4	8	10.0	18.0	120	7	6	9.5	18.5	93	6	6	7.5	14.0	65	3	5	8.0	14.0	60	7	4	5.0	9.5	49	4	4	3.5	7.5	28	2	2	3.0	6.0
21	156	4	6	9.0	14.5	136	4	8	10.5	18.5	120	4	6	9.5	18.0	93	5	6	8.0	16.5	65	6	6	8.0	16.5	59	5	5	5.5	9.5	47	3	3	3.0	6.5	26	2	2	2.5	4.5
22	156	2	6	9.5	14.5	136	4	6	11.0	17.0	120	7	6	9.5	19.0	91	5	3	9.5	18.0	65	6	6	7.0	13.0	60	2	6	5.0	9.5	47	3	4	2.0	4.5	24	2	0	2.0	4.0
23	154	6	2	9.0	14.0	136	5	4	10.0	15.5	120	4	3	9.0	17.0	93	5	6	8.5	17.0	63	6	4	7.5	14.5	58	3	5	6.0	10.5	45	4	5	3.5	7.5	24	2	0	2.0	4.0

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya   Lat. 1.3N   Long. 103.8E   Month September 19 62

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dl	Vdm	Ldm	.051 Fam	Du	Dl	Vdm	Ldm	.160 Fam	Du	Dl	Vdm	Ldm	.545 Fam	Du	Dl	Vdm	Ldm	2.5 Fam	Du	Dl	Vdm	Ldm	5 Fam	Du	Dl	Vdm	Ldm	10 Fam	Du	Dl	Vdm	Ldm	20 Fam	Du	Dl	Vdm	Ldm
00	158	4	2	7.5	12.0	139	4	6	8.5	14.0	123	3	7	8.5	14.0	94	6	8	7.5	17.0	66	3	5	9.0	14.5	58	8	6	*7.5	13.0	42	5	4	4.5	7.0	24	1	2	2.0	3.5
01	160	4	5	9.0	13.5	139	6	4	9.0	14.0	123	4	7	9.5	15.5	94	6	4	9.0	18.0	67	3	5	9.0	18.0	57	7	8	6.0	9.0	42	4	6	4.0	7.0	24	2	2	2.5	3.5
02	160	4	4	9.0	15.0	139	6	8	9.0	15.5	123	5	4	6.5	17.0	96	6	4	8.5	16.0	68	3	7	8.5	14.5	60	5	8	6.0	10.0	39	7	5	4.5	7.0	24	2	2	2.5	4.0
03	162	2	4	9.5	14.0	141	4	4	10.0	16.5	125	2	6	10.5	16.5	94	8	4	9.0	19.0	67	4	8	9.0	19.0	57	6	7	*6.0	9.0	36	6	4	3.5	4.5	25	1	1	2.5	3.5
04	160	3	9	10.0	15.5	141	6	6	10.0	17.0	125	4	7	9.5	19.0	96	6	10	10.0	19.0	67	4	6	10.0	19.0	52	7	5	6.5	9.0	34	9	2	3.5	5.0	25	3	1	2.0	3.0
05	160	4	4	9.5	14.5	139	7	3	11.0	18.5	121	6	4	11.5	21.5	90	10	10	10.0	21.0	67	4	6	9.0	15.0	50	7	5	6.5	7.0	36	6	4	4.0	5.5	22	3	0	2.0	3.0
06	158	6	4	10.0	16.0	135	6	5	12.5	21.5	115	8	4	14.5	*26.0	82	16	15	14.5	25.5	58	7	8	9.5	17.0	52	8	9	8.0	*13.0	43	3	4	6.0	10.0	24	5	2	2.5	4.0
07	156	7	5	11.0	18.0	133	7	10	14.0	22.0	113	7	18	14.0	25.0	78	17	14	11.0	*23.0	51	8	11	11.0	*18.0	47	5	6	*10.5	17.0	42	4	6	6.0	9.5	24	3	2	3.0	4.0
08	156	6	6	12.0	20.0	134	10	14	15.5	26.0	110	6	14	15.5	28.0	77	23	13	*15.0	24.5	43	14	12	10.0	16.0	42	10	8	10.0	16.5	36	8	4	8.5	14.5	22	4	0	2.5	3.0
09	155	7	6	13.0	20.0	133	11	13	14.0	24.0	108	18	12	14.0	*24.0	75	27	15	11.0	*18.0	36	23	7	*9.5	14.5	38	10	10	10.0	*15.5	32	6	4	*9.0	*15.5	22	4	0	3.0	4.0
10	154	8	4	12.0	20.0	133	13	16	15.5	*25.5	104	22	12	16.0	*26.0	73	31	13	12.0	22.0	30	22	5	5.0	7.5	34	21	10	*8.0	10.0	32	14	5	*9.0	*15.0	22	6	0	2.5	5.0
11	156	6	6	13.5	20.5	129	16	16	16.0	24.5	101	19	18	14.5	28.0	80	26	12	11.0	20.5	33	38	4	*8.5	10.5	34	19	10	*8.5	12.0	32	16	6	9.5	14.0	22	12	0	3.0	4.0
12	155	10	6	12.0	20.0	132	17	11	14.5	23.0	117	14	26	14.0	24.0	82	26	20	13.0	25.0	41	30	14	*9.5	*12.5	33	31	11	10.0	14.0	34	13	10	9.0	14.0	24	10	2	3.0	4.0
13	156	11	5	12.0	18.0	134	14	11	13.0	20.5	119	11	20	*13.5	23.5	92	20	14	11.5	*24.0	44	30	18	11.5	*24.0	38	22	14	9.5	*15.0	36	8	8	8.0	13.5	24	14	2	3.0	5.5
14	160	8	6	11.0	18.0	141	6	10	12.0	20.0	119	9	12	14.0	23.0	96	10	18	13.0	22.0	49	27	18	13.0	*17.0	44	16	10	*9.5	*14.5	40	8	5	8.0	12.0	26	8	4	3.5	5.0
15	162	6	4	10.0	17.0	143	4	13	11.0	20.0	119	12	6	11.5	20.0	96	12	18	10.0	20.0	54	21	16	10.0	*17.5	47	16	12	10.5	16.5	42	6	6	7.0	11.0	26	9	2	4.0	6.5
16	162	5	9	9.0	15.0	139	8	9	10.0	18.0	117	9	10	10.0	20.0	92	7	12	10.0	19.0	57	16	10	10.0	*17.5	48	6	8	7.5	13.0	44	5	5	5.0	7.5	26	4	2	*3.0	5.0
17	160	2	4	8.0	14.0	137	8	6	10.0	18.0	117	6	6	9.5	17.5	90	8	8	8.0	15.0	54	11	5	*8.0	*13.5	52	6	2	6.0	11.5	48	2	4	5.0	8.0	26	2	4	3.5	6.0
18	160	4	8	9.0	15.0	139	6	9	9.0	16.5	119	4	4	8.0	16.5	92	6	4	7.0	14.0	61	8	5	7.0	13.0	48	4	5	5.0	9.5	48	2	4	5.0	7.5	26	3	4	4.0	5.5
19	160	2	5	8.5	14.5	139	8	8	9.0	17.5	121	6	6	8.0	16.0	94	6	4	8.0	16.0	59	7	13	*6.0	*10.0	60	4	4	5.0	9.0	46	2	2	3.5	5.0	26	4	4	3.5	5.0
20	158	5	2	8.0	13.0	139	6	4	9.5	17.0	121	4	2	8.5	17.0	94	4	4	7.5	14.5	60	6	5	6.0	13.5	60	4	4	6.0	9.5	50	4	4	5.0	8.5	27	4	1	4.0	5.0
21	158	4	3	7.0	12.0	139	6	4	9.0	17.0	121	4	7	9.0	17.0	94	4	6	8.0	16.0	63	8	4	7.5	13.5	60	7	7	6.0	11.0	48	4	2	5.0	8.5	26	4	2	4.0	5.0
22	158	4	6	7.0	12.0	139	6	6	9.0	15.5	121	4	8	9.0	15.5	92	10	6	7.0	14.5	65	5	4	8.0	14.0	60	10	6	7.0	10.0	48	6	2	*4.0	*7.5	26	2	2	3.0	4.0
23	158	4	7	7.0	11.5	139	6	6	8.5	14.5	121	6	6	9.5	14.5	93	6	5	8.0	16.0	65	4	4	8.0	16.0	60	7	4	5.0	9.0	46	4	4	4.0	7.0	24	2	0	2.0	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya   Lat. 1.3N   Long. 103.8E   Month October   1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	163	2	6	9.5	15.0	141	2	4	9.5	15.0	120	6	4	9.5	17.5	95	2	5	7.0	13.0	67	2	4	7.5	12.5	59	4	9	6.5	12.5	47	5	3	5.0	7.5	24	2	2	2.0	3.5
01	163	2	6	10.0	16.0	141	2	4	10.0	16.5	122	2	4	8.5	15.5	95	4	3	7.5	13.0	69	2	4	7.5	13.0	61	2	5	6.5	10.5	45	7	3	5.0	8.0	24	2	2	2.5	4.0
02	161	4	2	9.0	14.5	141	2	3	9.5	16.5	122	2	4	8.0	15.0	95	5	5	7.5	15.0	69	2	4	7.0	12.5	61	3	8	6.5	10.0	41	6	2	5.5	8.0	22	2	0	2.0	3.0
03	161	4	4	9.5	15.0	140	3	3	11.0	19.0	122	2	4	9.5	18.0	95	4	4	7.0	18.5	69	3	4	8.5	15.0	61	2	5	5.5	10.0	41	4	2	4.5	5.5	24	0	2	2.0	3.0
04	161	4	4	9.5	15.0	141	2	5	10.0	17.5	120	4	2	9.5	19.5	94	6	5	8.0	17.5	67	4	4	9.0	15.0	57	5	6	5.0	10.0	36	8	3	3.5	5.0	22	2	0	2.0	3.0
05	161	2	2	11.0	18.0	138	4	5	12.0	20.5	116	6	4	12.0	20.5	93	6	5	11.0	12.5	67	4	4	10.0	16.5	55	4	5	8.0	12.0	41	4	6	2.0	4.5	22	4	0	3.0	4.0
06	159	4	4	10.0	17.0	133	6	4	12.0	19.0	111	7	13	12.5	22.5	77	11	12	13.5	24.5	56	3	7	10.0	17.0	53	4	6	8.0	14.0	44	3	5	6.5	10.0	24	2	2	3.0	4.5
07	158	3	3	11.5	18.0	131	6	6	12.5	20.0	104	12	8	14.0	24.0	73	18	13	13.0	21.5	49	8	6	11.0	18.0	45	6	11	11.0	18.0	41	6	2	7.0	10.0	24	2	2	3.5	4.0
08	159	2	6	13.5	20.5	129	8	4	15.5	25.0	104	16	12	15.0	25.0	71	18	14	10.0	18.0	41	6	6	10.0	14.5	39	6	18	11.0	17.5	37	2	5	9.5	13.0	22	4	0	3.0	4.0
09	157	4	4	14.0	22.0	130	6	7	14.0	24.5	106	15	14	16.5	26.5	71	17	13	14.5	25.0	35	6	4	10.0	14.0	33	8	4	8.0	10.5	37	2	8	11.0	16.0	22	2	2	3.0	4.0
10	157	3	6	14.5	21.5	129	4	2	18.0	24.0	104	13	9	16.5	26.0	73	15	9	10.5	21.0	31	10	4	9.0	13.5	31	2	10	8.0	12.5	33	4	4	10.0	14.0	22	2	2	3.5	3.5
11	157	4	4	14.0	21.0	132	5	9	15.5	26.0	110	12	6	16.0	26.0	81	20	6	16.0	26.0	35	10	8	9.0	14.0	33	9	8	7.5	9.0	33	6	5	10.5	15.0	23	3	3	4.0	6.5
12	161	4	6	13.0	21.0	135	10	10	14.0	24.5	114	15	13	14.0	23.5	89	20	13	14.0	23.0	39	20	8	9.0	14.0	38	15	14	9.0	12.0	37	14	6	9.5	14.0	24	1/2	1	3.0	5.0
13	161	6	4	11.0	18.0	137	12	6	14.0	22.5	121	10	18	13.5	24.5	99	14	10	13.5	24.5	45	14	12	9.0	16.0	42	9	9	9.0	13.5	41	6	7	9.0	14.5	26	1/2	3	3.5	6.0
14	167	2	6	12.0	20.0	145	4	10	13.0	21.5	125			10.5	20.5	103			10.5	20.5	61		18	10.0	17.0	51		9	14.0	22.0	46			8.0	12.0	32			5.5	7.5
15	167	7	6	12.0	19.5	143	8	6	11.5	21.0	118	13	8	11.0	21.0	97	13	11	13.0	19.0	57	14	15	11.0	18.5	50	9	9	11.0	18.0	45	5	2	6.5	10.0	24	8	2	3.5	6.0
16	163	6	8	10.0	12.0	141	6	6	12.0	20.5	117	12	6	12.5	20.5	93	12	11	12.5	22.0	55	12	14	10.0	16.0	51	6	9	8.5	14.0	47	6	4	6.0	8.5	28	7	5	5.0	7.0
17	163	4	6	10.0	17.5	141	4	7	11.0	20.0	120	9	5	9.5	20.0	93	6	6	9.5	22.0	57	7	7	9.0	15.0	55	5	7	9.0	15.0	49	2	4	4.5	7.0	21	4	2	3.5	5.0
18	163	4	8	10.0	18.0	141	5	2	9.0	16.5	122	4	6	7.5	14.0	95	5	6	7.5	14.0	63	4	6	7.0	12.0	61	4	6	6.5	10.0	51	0	5	4.5	7.5	26	2	3	4.5	7.0
19	163	4	6	10.0	14.0	141	4	6	10.5	19.5	122	2	6	9.0	19.5	95	4	3	9.0	17.5	65	4	4	7.0	11.5	62	5	5	6.5	10.0	51	2	3	4.0	7.0	26	2	2	4.0	5.0
20	161	4	4	8.5	13.5	139	4	2	10.0	18.5	122	2	5	8.5	16.0	95	6	5	8.5	16.0	65	6	8	8.0	12.0	61	6	5	6.0	9.0	51	5	3	4.5	7.5	28	3	3	3.5	5.5
21	161	5	3	8.5	14.5	141	3	4	10.5	14.5	122	2	5	9.0	18.0	96	5	5	9.0	18.0	65	4	8	8.0	13.0	61	4	4	7.5	11.5	51	3	2	6.0	11.5	28	6	2	4.5	6.5
22	161	4	2	10.0	13.0	141	4	5	9.0	15.5	122	4	6	8.0	15.5	95	5	6	8.5	15.5	65	5	4	7.0	14.0	61	2	4	6.0	10.0	51	2	4	4.5	7.0	28	2	4	3.0	5.0
23	161	2	2	7.5	13.0	141	4	4	10.0	16.0	122	4	4	9.5	17.5	97	2	6	9.5	17.5	65	4	7	8.5	15.5	61	2	3	6.0	13.0	49	2	4	4.0	7.0	26	4	3	3.0	5.0

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	161	2	2	11.0	16.5	139	4	4	10.0	16.0	120			11.0	18.0	95	4	6	7.0	14.0	64	5	3	8.0	15.5	58	4	9	5.0	8.0	41	7	5	7.0	4.0	23	2	0	3.0	4.5
01	159	6	4	9.5	15.5	141	6	6	9.0	16.5	122			10.0	17.0	95	2	6	7.0	15.0	66	4	5	7.5	12.0	60	4	5	6.0	10.0	40	12	4	6.0	3.0	23	0	1	1.5	3.0
02	159	6	0	11.0	17.0	139	6	4	7.0	11.0	120	4	4	11.0	19.5	93	2	2	7.0	15.0	67	7	7	8.5	14.0	59	9	5	6.5	11.0	40	5	4	5.0	3.0	23	8	1	1.5	3.0
03	159	4	2	9.0	13.5	139	4	6	10.5	19.0	120	4	4	9.0	17.0	93	4	2	8.5	18.0	67	5	5	9.0	14.0	59	5	8	6.5	10.5	38	4	4	5.0	3.0	23	3	2	1.5	2.5
04	161	2	4	11.0	14.5	137			11.0	18.5	118	2	8	9.0	19.0	91	4	2	9.0	18.0	66	3	6	10.0	16.0	58	4	10	4.5	7.5	38	7	2	5.0	2.5	23	2	1	1.5	2.5
05	161	2	2	11.0	16.0	135	6	6	12.0	18.5	112	6	14	13.5	22.0	77	6	10	14.5	22.5	65	4	4	11.0	16.5	53	7	6	6.0	9.0	39	4	3	5.0	2.5	23	2	1	2.0	4.0
06	159	4	2	9.5	17.5	133	4	8	14.5	22.0	105			17.0	24.5	75	16	18			52	3	7	11.0	17.0	52	6	13	8.0	12.0	42	4	5	8.5	5.5	23	2	0	2.5	4.0
07	159	2	4	13.0	20.0	131	8	6	13.0	22.5	101	8				69	8	12	13.0	21.0	47	8	8	11.0	17.0	46	6	8	9.5	17.0	40	4	4	9.5	7.0	23	1	0	3.0	4.5
08				13.5	23.0	130			15.0	25.0	102	2				68			14.5	23.0	38	10	6	10.0	14.5	38	8	10	10.0	14.0	38	3	5	6.0	4.5	23	2	2	1.5	3.5
09	157			15.0	22.0	127			16.0	25.5	98					70					36	4	4	7.0	10.0	36	4	6	7.0	10.0	36	4	4	7.0	2.5	23	0	2	2.0	3.5
10	155			18.0	23.5	127					101			17.5	27.0	67					29	7	4	6.0	9.0	29	14	13	9.5	12.5	36	4	6	14.5	10.0	23	2	2	4.0	3.5
11	159			14.0	21.0	129			15.0	21.5	104			15.0	23.5	71			16.0	24.5	29	14	4	9.5	12.5	30	8	8	12.0	14.5	36	4	6	13.5	8.5	23	4	2	4.0	6.0
12	159			12.0	19.5	131			14.0	21.0	111			15.5	25.5	83			13.5	23.0	31	18	4	9.0	11.5	33	9	7	9.0	16.5	38	5	6	10.5	9.0	23	6	0	3.0	4.5
13	161			11.0	18.0	137	14	6	13.0	20.0	112			16.5	25.0	94			16.5	25.0	39	28	10	9.0	14.0	40	19	10	10.0	14.5	38	6	4	11.0	7.0	25	15	2	2.5	4.0
14	163					141					118					97			12.0	21.0	45	22	12	11.0	16.5	44	16	6	8.0	14.0	40	11	4	7.5	3.0	27	8	7	4.0	7.0
15	164			11.0	18.0	142			12.5	22.0	118			14.0	24.5	95			13.0	22.5	47	21	10	10.5	17.0	47	7	7	9.0	14.5	42	4	4	9.0	5.0	27	4	2	4.0	6.5
16	163	4	2	11.0	19.0	142			11.5	19.0	116	6		13.5	19.0	93	8		11.0	21.0	53	7	10	9.0	15.0	51	15	6	8.5	13.5	43	5	3	7.5	4.5	28	1	5	3.5	5.5
17	163	2	2	11.0	19.0	141	4	4	14.0	23.0	116			13.0	20.0	93			15.5	25.5	57	4	6	8.0	14.0	56	4	6	5.0	9.5	45	5	4	7.0	3.5	26	3	3	5.0	7.0
18	163	4	4	11.0	18.5	143	4	6	13.0	23.0	116	6	6	8.0	15.0	97	6	4	7.5	16.0	65	3	4	8.0	13.0	60	2	4	5.5	10.0	44	4	4	8.0	5.0	25	3	3	3.5	5.5
19	161	4	0	12.0	18.5	143	2	6	13.0	21.5	161			9.0	18.0	97	2	4	7.0	14.0	65	5	5	7.0	12.0	60	6	4	5.0	9.0	48	13	6	9.0	5.0	25	2	2	3.0	4.5
20	161	2	2	9.0	18.5	141	2	2	12.0	20.5	122			9.5	18.0	97	4	8	8.5	15.5	65	4	6	8.0	14.5	60	2	8	8.0	8.0	48	13	11	8.0	6.0	27	2	4	2.5	4.0
21	161	4	2	11.5	17.0	141	4	4	14.0	22.0	122			10.0	19.5	97	2	10	8.5	17.5	58	3	3	8.5	15.5	58	3	3	7.0	13.0	46	5	5	2.5	4.5	27	2	1	3.0	5.5
22	161	4	2	11.0	16.5	141	4	4	11.0	19.0	119			10.0	18.5	95	6	6	9.0	17.0	65	2	6	9.0	17.0	59	3	6	7.0	12.0	46	6	4	7.0	4.0	27	1	4	3.0	6.0
23	161	4	2	11.5	19.5	139	6	6	13.5	19.5	124			13.0	22.0	93	8	4	6.5	12.5	65	4	4	9.0	15.0	58	7	3	6.0	11.0	44	6	8	6.0	4.0	23	2	2	7.5	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station __Thule, Greenland__ Lat. __76.6N__ Long. __68.7W__ Month __September 19 62__

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fom	Du	Dℓ	Vdm	Ldm	.160 Fom	Du	Dℓ	Vdm	Ldm	.495 Fom	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fom	Du	Dℓ	Vdm	Ldm
00	140	5	3	7.0	9.0	118	2	2	10.0	12.0	83	6	4	8.0	11.0	63	6	0	7.0	9.5	33	16	2			32	6	9			15	6	3			27	3	0		
01	140	4	2	7.0	9.0	118	2	2	11.0	13.0	81	6	2	7.0	9.0	63	7	2	7.5	9.5	40	12	11			30	8	8			15	4	7			27	2	1		
02	140	4	2	7.0	9.0	118	0	4	10.0	13.0	81	5	2	7.0	9.5	63	6	0	7.0	9.0	33	20	5			28	10	2			15	4	2			27	4	2		
03	140	4	2	7.0	9.0	118	0	4	9.5	12.0	81	7	2	9.0	11.0	63	7	0	7.0	9.0	37	16	7			30	6	6			15	6	3			27	6	2		
04	140	4	2	7.5	9.5	116	2	2	10.0	13.0	81	4	2	7.0	9.0	63	8	2	7.5	10.0	43	7	13			28	6	2			15	4	2			27	4	2		
05	140	2	2	6.5	8.5	116	2	1	10.0	13.5	81	7	2	7.0	9.0	63	8	2	8.0	10.0	35	14	6			30	6	6			17	6	5			29	7	4		
06	138	4	2	7.0	9.0	116	2	0	10.0	13.0	81	6	2	9.5	12.0	63	7	1	7.0	9.0	40	11	11			28	8	5			16	3	3			27	3	2		
07	140	2	2	7.0	10.0	116	2	0	11.0	15.0	81	9	2	7.0	9.5	63	7	2	7.5	9.5	37	14	8			28	9	6			15	4	2			27	5	2		
08	138	4	2	6.0	8.0	116	2	0	11.0	13.5	81	11	2	8.0	10.5	63	5	2	7.5	10.0	33	16	6			24	7	2			16	4	3			27	8	2		
09	140	2	4	6.0	9.0	116	2	2	12.0	14.5	81	8	2	7.0	9.5	63	8	2	7.0	9.5	36					22	7	2			13	6	2			27	3	2		
10	140	2	4	7.0	9.5	116	2	0	11.0	13.5	81	8	2	8.0	10.0	63	8	2	8.0	10.0	33	12	4			22	6	2			15	2	4			29	1	3		
11	138	4	2	7.0	9.0	116	2	0	10.0	12.0	81	6	2	8.0	10.5	63	4	2	7.5	10.0	29	20	2			20	5	2			13	7	3			29	7	4		
12	138	4	1	7.0	8.5	116	2	0	10.0	12.0	81	7	2	7.5	10.0	64	6	3	7.0	9.0	33	15	4			22	7	4			13	2	2			29	6	2		
13	138	4	2	6.5	8.0	116	2	2	10.0	13.5	81	7	2	7.0	9.0	63	4	2	7.0	10.0	38	13	7			22	5	3			15	6	2			27	4	0		
14	138	6	2	6.0	7.5	116	2	2	10.0	13.0	83	6	2	8.0	12.0	63	5	2	7.0	10.0	36	21	7			24	8	4			17	6	4			29	4	4		
15	138	4	2	6.0	6.0	117	1	3	9.5	11.5	83	4	4	7.0	10.0	63	4	0	7.5	10.0	37	10	6			24	6	4			17	4	4			29	6	4		
16	138	2	2	5.0	6.5	116	2	0	10.5	12.5	81	5	2	7.0	9.5	65	5	2	7.0	10.0	33	13	4			25	7	3			17	6	2			29	4	2		
17	138	3	2	5.0	6.0	116	2	0	10.0	12.0	82	5	3	8.0	10.0	65	4	2	7.0	9.5	33	15	4			28	4	6			21	9	7			29	6	2		
18	138	4	2	5.5	7.0	117	1	1	10.0	13.0	82	5	3	7.0	10.0	65	4	2	7.5	10.0	33	16	5			30	6	7			24	7	8			29	2	3		
19	138	4	2	5.5	7.5	118	0	2	10.0	12.0	81	10	1	7.0	10.0	63	7	2	7.0	9.5	33	12	4			32	6	4			24	7	6			29	2	4		
20	140	2	2	6.0	8.5	118	2	2	10.0	13.0	81	5	1	7.5	10.0	63	6	2	7.0	10.0	35	15	6			35	6	9			23	7	6			27	4	2		
21	140	5	2	7.0	8.5	118	0	2	9.5	12.5	83	6	4	7.5	10.0	63	7	2	7.5	10.0	35	14	7			34	5	8			19	4	6			29	2	4		
22	140	6	2	7.0	9.0	118	2	2	10.0	13.0	83	6	2	8.0	10.0	63	8	2	7.5	10.0	37	14	8			32	4	6			17	7	4			27	4	2		
23	140	4	2	7.0	9.5	118	4	2	10.0	14.0	83	6	2	7.0	9.0	63	2	2	7.5	10.0	37	11	10			32	7	6			17	5	5			27	2	1		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	156	8	12			140	10	7			114	6	7			98	12	6		
01	158	6	14			140	9	5			115	16	8			98	12	6		
02	157	6	12			141	10	8			117	16	10			97	17	5		
03	160	4	14			141	10	10			*113					96	14	6		
04	160	4	16			*141					*119					*98				
05	159	3	17			139	10	12			115	15	12			92				
06	156	6	12			134	9	9			113	10	20			*91				
07	156	6	12			133	10	8			*116					*90				
08	*156					*131					*111					*84				
09	154					*129					*109					*81				
10	*162					*131					*111					*78				
11	*158					*131					*111					*84				
12	152					129					*103					*76				
13	*153					*129					103					*82				
14	*150					*131					*108					*84				
15	*					*135					*111					*88				
16	152	8	14			134					109					*68				
17	156	6	14			156					*108					*86				
18	152	10	12			133	12	12			107	20	8			*86				
19	155	7	13			133	14	8			111	6	6			*92				
20	154	8	8			134	13	5			113	13	8			*96				
21	158	7	12			137	12	12			115	13	10			*96				
22	157	5	13			141	8	8			119	10	12			96	14	4		
23	154	8	10			141	8	6			116	13	9			*96				

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

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MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam*	Du	Dℓ	Vdm	Ldm	.051 Fam*	Du	Dℓ	Vdm	Ldm	.160 Fam*	Du	Dℓ	Vdm	Ldm	.495 Fam*	Du	Dℓ	Vdm	Ldm
00	159					139					116					98				
01	161					138					116					96				
02	159					136					114					95				
03	158					136					113					96				
04	159					136					113					94				
05	159					136					110					90				
06	157					132					102					72				
07	153					133					102					68				
08	157					130					103					70				
09	156					130					104					71				
10	157					128					102					70				
11	156					130					104					70				
12	155					132					102					70				
13	159					130					110					72				
14	161					134					112					70				
15	161					132					110					71				
16	161					134					110					68				
17	159					132					106					74				
18	159					132					112					93				
19	159					133					112					95				
20	159					136					114					98				
21	161					137					114					98				
22	161					136					116					96				
23	157					136					116					98				

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

US-COMM-NBS-BL

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __Balboa, Canal Zone__ Lat. __9.0N__ Long. __79.5W__ Season __Fall__ (__Sept. Oct. Nov.__) 19 __62__

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	163	6	5	11.0	16.5	162	7	5	11.0	17.0	160	7	5	12.0	18.0	165	5	4	10.5	15.5	163	4	3	10.0	15.5	162	4	4	10.5	16.5
.051	143	7	6	10.0	15.5	141	9	8	11.5	17.5	134	12	10	12.0	18.0	141	8	6	11.0	16.0	140	6	6	10.5	16.0	141	6	5	9.5	15.0
.160	123	7	6	8.0	13.5	119	11	13	11.5	18.5	110	17	15	13.0	20.0	119	13	13	13.0	20.0	118	8	9	10.0	16.0	122	5	6	8.0	12.5
.495	102	7	6	6.5	12.0	87	14	12	11.5	18.0	83	21	10	11.0	17.0	96	16	15	13.5	21.0	97	9	9	9.0	14.0	101	6	5	6.0	10.0
2.5	68	6	6	5.5	9.5	63	7	7	6.0	11.5	40	17	9	7.5	11.5	49	19	14	8.0	12.0	58	10	7	7.0	11.5	66	4	5	5.5	9.0
5	59	3	4	4.5	8.0	52	5	5	5.5	10.0	41	10	7	7.5	11.0	46	13	7	8.0	11.0	59	6	4	5.5	9.0	60	4	4	4.5	8.0
10	40	8	5	3.5	6.5	43	5	6	3.5	6.0	39	4	4	5.0	7.5	43	6	4	5.5	8.0	49	5	4	3.5	6.0	42	7	6	3.5	6.0
20	23	5	2	3.0	4.5	23	5	3	3.5	5.0	25	5	4	4.5	6.0	31	6	4	5.0	7.5	28	4	4	4.0	5.5	23	3	2	3.0	4.0

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __Bill, Wyoming__ Lat. __43.2N__ Long. __105.2W__ Season __Fall__ (__Sept.   Oct.   Nov.__) 19 __62__

TIME BLOCKS (LST)

Frequency (Mc)	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	158	4	4	11.0	18.0	156	5	4	12.0	19.5	154	5	3	11.0	18.0	156	4	5	10.0	16.0	156	5	4	11.0	18.0	157	4	4	11.5	18.5
.051	132	5	6	6.0	10.0	128	7	6	6.0	9.5	122	8	7	7.5	11.5	104	7	9	8.0	12.5	128	6	6	6.0	10.5	132	5	5	5.5	9.5
.160	106	9	7	9.0	16.0	93	11	12	10.0	17.0	83	15	10	7.5	12.0	88	14	14	7.5	13.0	102	8	12	8.0	14.5	107	7	8	8.0	15.5
.495	88	8	8	7.5	14.0	67	10	6	5.0	9.0	60	8	5	2.5	5.0	61	12	5	3.0	5.5	77	12	10	5.5	10.0	89	7	9	7.0	13.0
2.5	60	8	6	5.0	8.5	48	12	6	5.0	8.0	26	8	4	2.0	4.0	27	12	4	2.5	4.0	49	11	8	4.0	7.0	60	7	6	4.5	8.0
5	54	5	5	4.5	8.0	47	7	6	4.5	8.0	27	8	4	2.5	4.5	30	8	6	3.5	6.5	50	7	7	4.0	7.0	53	5	5	4.5	7.5
10	39	9	6	3.0	5.0	38	5	4	3.0	5.5	34	3	2	3.0	5.0	39	4	4	3.0	5.0	48	5	5	3.0	5.0	42	9	6	2.5	4.5
20	24	4	0	2.0	3.0	25	4	2	3.0	4.5	28	4	3	3.5	5.5	30	4	3	3.5	5.0	26	3	2	2.5	4.5	25	2	1	3.0	4.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __Boulder, Colorado__ Lat. __40.1N__ Long. __105.1W__ Season __Fall__ (__Sept. Oct. Nov.__) 19__62__

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	157	5	3	11.0	17.5	155	5	4	12.0	18.5	153	6	4	11.5	17.0	157	4	5	9.0	14.0	156	5	5	10.5	16.5	158	4	5	11.0	17.5
.051	132	6	5	8.0	13.0	127	8	6	8.0	12.5	121	9	8	8.0	13.0	125	8	9	8.0	12.5	129	7	7	7.5	12.0	132	6	6	7.5	12.0
.160	109	9	8	8.5	15.0	92	15	11	9.0	13.0	86	18	11	7.0	11.0	94	15	13	7.5	12.0	104	10	10	7.5	13.5	110	8	9	8.0	14.0
.495	91	8	7	7.5	13.0	72	11	7	5.0	8.0	66	15	5	4.0	6.0	71	15	8	4.5	8.0	84	11	10	6.0	9.0	92	8	8	6.0	11.0
2.5	62	8	6	4.5	7.0	55	9	6	4.0	6.5	50	6	4	2.5	4.0	51	8	6	2.5	3.5	58	7	7	4.0	6.0	62	8	6	4.5	7.5
5	56	5	5	4.5	8.0	50	7	5	4.5	7.5	42	6	7	3.0	4.5	44	6	7	2.5	4.5	53	7	6	3.5	6.0	55	6	6	4.0	7.5
10	42	7	8	3.0	5.5	40	5	4	3.0	5.5	36	7	6	4.5	7.0	42	5	7	4.5	6.5	48	5	7	3.0	5.0	44	6	7	3.0	5.0
20	25	4	2	2.0	3.0	26	4	2	2.0	3.5	28	6	4	3.5	5.5	30	8	6	4.5	6.5	27	5	4	2.5	4.0	25	4	3	2.0	3.5

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant.   Lat. 80.0S   Long. 120.0W   Season Spring (Sept.   Oct.   Nov.) 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}
.015	109	6	6			108	7	5			108	6	6			108	6	7			109	6	7			109	7	6		
.113	90	7	6			92	6	6			91	6	6			91	6	6			92	7	6			91	6	7		
.246	67	3	3			67	7	4			67	5	3			66	5	3			68	3	2			66	3	3		
.545	53	8	3			53	10	3			52	11	3			52	6	3			52	7	2			51	8	3		
2.5	19	12	2			20	6	3			20	9	3			19	4	2			20	8	3			20	6	3		
5	22	13	9			18	12	4			16	6	4			21	6	7			25	10	9			27	10	12		
10	23	6	10			18	8	7			20	5	8			22	4	4			26	6	7			25	5	9		
20	20	2	2			19	2	3			19	2	2			20	2	1			20	2	2			20	1	3		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

⋆ ⋆ No September or October data for D_u and D_ℓ.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia   Lat. 30.6S   Long. 130.4E   Season Spring (Sept. Oct. Nov.) 1962

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	4	2	8.0	13.0	154	2	3	9.0	12.5	151	5	4	12.0	19.0	154	6	4	11.0	17.0	154	5	4	9.0	14.5	156	4	4	8.5	14.0
.051	129	6	4	9.0	15.5	122	7	5	10.0	14.5	113	12	7	12.0	20.5	121	13	9	9.5	15.5	123	10	8	8.0	14.0	128	8	4	9.0	16.0
.160	105	7	6	8.0	15.0	87	15	9	9.5	16.0	74	22	11	8.0	13.0	85	22	15	8.0	13.5	95	17	12	8.5	15.0	105	9	7	8.0	14.5
.545	83	9	6	7.5	14.5	56	19	6	8.0	15.0	46	20	7	6.0	9.0	53	24	12	7.5	12.0	68	18	10	5.0	10.0	86	8	8	6.0	13.0
2.5	61	8	9	6.0	10.5	46	10	8	7.5	12.0	21	16	1	6.5	9.5	21	26	1	7.0	11.5	44	18	8	5.5	9.5	62	9	9	6.0	11.0
5	54	6	5	5.0	9.5	44	7	6	5.0	9.5	20	16	6	2.0	10.5	24	17	8	6.0	10.0	46	12	8	5.0	9.0	56	7	6	5.5	10.0
10	41	6	5	4.0	2.0	36	6	5	3.0	5.5	26	6	4	4.0	6.0	31	9	5	4.5	7.0	41	6	4	4.0	7.0	45	7	5	5.5	9.0
20	21	2	1	2.5	4.0	21	2	1	3.0	4.5	21	3	1	3.0	5.0	23	4	2	3.5	5.0	24	5	1	3.0	5.0	23	2	1	3.0	4.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60N Long. 37.5-52.5W Season Spring (*** April ***) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm
2.5	50					43					38					40					46					54				
5	48					43					35					36					47					56				
10	44					38					32					35					51					46				
20	29					28					25					30					27					28				

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

* * * No March or May Data

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __40-50N__ Long. __67.5-82.5W__ Season __Spring__ (*** __April ***) 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}
2.5	72					43					54										81					78				
10	53					37															64					72				
20	28					29					27					28					26					26				

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

* * * No March or May Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __40-50N__ Long. __52.5-67.5W__ Season __Spring__ (*** __April__ ***) 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}
2.5	59					38					34					49					76					71				
5	60					47					42					63					74					72				
10	59					52					44					50					65					63				
20	26					25					25					26					30					29				

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

*** No March or May Data

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50N Long.37.5-52.5W Season Spring (*** April ***) 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}
2.5	80					62					39					36					62					76				
5	70					57					36					32					60					70				
10	50					50					36					47					52					56				
20	29					30					26					26					30					30				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*** No March or May Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __20-30N__ Long.__67.5-82.5W__ Season __Spring__ (*** *** __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}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	146					140					149					154					144					140				
.051	138					127					130					136					128					140				
.160	118					107					112					122					112					114				
.495	95					84					82					85					92					86				
2.5	80					69					52					64					68					83				
5	59					58					40					44					58					68				
10	46					47					46					50					60					55				
20	26					32					30					33					38					31				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*** No March or April Data

USCOMM-NBS-BL

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __10-20N__ Long.__67.5-82.5W__ Season __Spring__ (__***__ __***__ __***__ __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}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150					152					147					157					158					154				
.051	140					140					137					144					143					143				
.160	122					118					111					126					124					124				
.495	102					96					89					101					101					104				
2.5	77					69					57					74					75					81				
5	66					58					40					54					62					70				
10	52					46					39					40					51					53				
20	28					27					28					38					36					30				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*** No March or April Data

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __0-10N__ Long. __67.5-82.5W__ Season Spring (__***__ __***__ __May__) 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	159					157					156					157					158					159				
.051	151					151					149					144					147					146				
.160	137					130					131					131					130					130				
.495	113					104					102					109					104					107				

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

*** No March or April Data

USCOMM-NBS-BL

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __0-10N__ Long. __67.5-82.5W__ Season __Summer__ (__June__ *** ***) 19 __62__

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
.013	169					166					160					161					164					169				
.05	157					150					141					148					146					150				
.160	134					126					125					129					127					129				
.495	108					103					101					105					102					108				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*** = No July or August Data

USCOMM-NBS-DA

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station ___USNS Eltanin___ Lat. ___0-10S___ Long.___67.5-82.5W___ Season ___Winter___ (___June___ ** ***) 19_62_

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	158		8.5		14.5	156		9.5		16.0	154		11.5		12.0	157		8.5		14.0	156		7.0		12.0	158		8.0		13.5
.051	140		8.0		13.0	136		9.5		16.0	124		11.0		17.5	129		9.0		15.0	129		8.5		14.5	139		8.0		12.5
.160	119		5.5		10.5	106		8.0		14.0	93		10.5		18.0	94		9.0		15.0	101		9.0		14.5	117		5.5		10.0
.495	98		6.0		10.5	80		9.5		10.0	66		7.0		8.0	64		7.0		10.5	81		10.5		12.0	99		6.0		11.5
2.5	74					68					38					38					58					72				
5	68					63					43					43					66					70				
10	39					36					28					26					36					40				
20	29					28					28					30					32					33				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

** ** No July or August Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __0-10S__ Long. __82.5-97.5W__ Season Winter (__June *** ***) 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											156			13.0	19.0	161					158			8.0	12.5	159			5.0	10.0
.057											128					134					135			7.0	13.0	140			6.5	12.0
.160											100					102			8.5	15.0	110			9.0	16.0	120			6.0	12.0
.495											78					76					92			5.5	12.0	103			5.0	11.5
2.5											50					38					74					75				
5											42					46					76					67				
10											32					30					38					39				
20											35					32					32					32				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*** No July or August Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station ___USNS Eltanin___ Lat. __10-20S__ Long.__67.5-82.5W__ Season__Winter__ (__June__ *** ***) 19 _62_

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153			9.0	15.0	153			11.0	17.0	152			13.0	19.0	156			11.0	16.5	152			8.5	13.5	152				
.051	132			7.0	12.5	126			10.5	16.5	110			14.0	20.5	117			11.0	17.0	116			10.5	15.5	128			8.0	12.5
.160	115			6.0	12.5	97			9.5	14.5	85			12.0	20.5	86			14.0	21.0	95			12.5	20.5	110			6.5	11.0
.495	94			10.0	12.5	74			5.5	9.0	65			3.0	7.0	66					82			9.0	16.0	92			8.5	15.0
2.5	68					57					32					33					58					67				
5	62					64					41					54					70					74				
10	40					35					26					26					39					42				
20	30					30					28					28					32					30				

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

* * * No July or August Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __20-30S__ Long. __67.5-82.5W__ Season __Winter__ (__June__ *** ***) 19 __62__

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
.013	143			9.0	14.5	142			11.0	17.0	146			12.5	19.0	154			10.0	15.5	150			7.5	12.5	145			8.5	14.0
.057	124			8.0	14.5	119			11.0	18.0	106			12.5	18.5	112			10.5	17.0	112			9.0	14.5	122			7.5	12.5
.160	106			6.0	12.0	89			10.0	17.5	78			14.5	20.5	82			13.0	18.5	93			8.0	16.0	104			6.0	11.5
.495	86			6.5	13.0	68			8.5	15.0	56			12.0	15.5	61			8.0	11.5	82			7.0	12.5	88			7.0	13.0
2.5	65					55					32					32					57					64				
5	58					56					35					36					62					66				
10	48					41					32					32					50					53				
20	28					28					28					30					31					30				

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

*** No July or August Data

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat.__30-40S__ Long.__67.5-82.5W__ Season__Winter__ (__June__ __July__ __Aug.__) 19__62__

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
** .013	151					156					148					152					152					144				
** .051	131					121					112					107					110					122				
** .160	111					95					92					86					90					105				
** .495	86					75					70					66					77					86				
*** 2.5	66					60					52					56					63					69				
*** 5	58					58					46					46					58					62				
*** 10	42					44					41					45					50					47				
*** 20	28					29					30					34					32					30				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

* * No June or August Data

* * * No July Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __40-50S__ Long. __67.5-82.5W__ Season __Winter__ (__***__ __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}
.013	146					139					141					145					143					146				
.051	120					108					98					103					102					109				
.160	99					83					77					76					84					100				
.495	80					71					60					64					76					83				
** 2.5																										69				
** 5																										60				
** 10																										41				
** 20																					32					32				

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60S Long 52.5-67.5W Season Winter (*** 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}
.013	141					143					138					141					144					144				
.05	113					108					100					97					102					110				
.16	89					84					75					76					78					86				
.495	74					66					60					62					70					76				
2.5	53					56					37					48					50					52				
5	53					60					40					40					49					50				
10	24					26					20					24					28					29				
20	27					27					29					30					28					27				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

* * * No June Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __50-60S__ Long. __67.5-82.5W__ Season __Winter__ (_***_ __July__ __Aug.__) 19__62__

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
.013	140					141					147					142					142					144				
.057	112					102					94					92					104					119				
.160	88					81					74					72					80					89				
.495	80					67					57					59					73					80				
** 2.5	58					57					41					40					42					59				
** 5	58					64					38					36					52					56				
** 10	37					38					36					34					39					38				
** 20	26					28					30					28					28					28				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

** No June or July Data

*** No June Data

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __60-70S__ Long. __52.5-67.5W__ Season Winter (___***___ 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}
.013	145					147					145					135					136					143				
.051	118					118					104					94					105					107				
.160	96					90					81					73					78					85				
.495	79					69					59					61					71					76				
** 2.5	64					53					33					34					45					56				
** 5	44					47					26					30					44					45				
** 10	36					36					34					40					40					37				
** 20	28					28					28					28					28					29				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

* * No June or July Data

* * * No June Data

USCOMM-NBS-BL

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __30-40S__ Long.__67.5-82.5W__ Season __Spring__ (__Sept.__ *** __Nov.__) 19__62__

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150			9.5	16.0	151			9.5	17.0	151			8.5	15.5	157			7.0	12.5	155			7.0	11.5	152			8.5	15.0
.051	127			7.0	13.0	118			8.0	15.0	115			10.0	16.0	124			6.0	11.5	125			6.0	11.5	130			6.0	10.0
.160	105			6.0	11.5	90			4.5	9.0	87			8.0	12.0	90			6.5	12.5	99			4.5	9.0	110			4.5	9.5
.495	88			4.5	12.0	72			5.0	8.5	70			3.0	7.0	71			2.5	5.5	84			3.5	7.5	94			4.5	8.0
2.5	62					51					49					50					57					68				
5	57					53					43					45					59					60				
10	48					50					43					46					53					52				
20	28					31					35					35					34					31				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*** No October Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __40-50S__ Long __67.5-82.5W__ Season __Spring__ (Sept. _***_ Nov.) 19 __62__

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153			10.0	16.0	152			9.0	14.5	152			9.0	14.0	153			7.0	12.0	150			7.0	12.5	153			10.0	16.0
.051	136			8.5	15.0	118			9.0	14.5	117			6.0	11.0	115			7.5	12.5	118			7.0	12.5	127			6.5	12.0
.160	107			5.0	10.0	86			8.0	13.5	82			8.0	14.0	54			9.0	14.0	91			6.5	11.5	106			5.5	11.0
.495	92			4.5	9.5	70			4.0	8.5	69			2.5	5.5	70			5.5	9.5	79			4.0	8.0	93			4.5	9.5
** 2.5	66			5.0	7.5	48			8.0	11.5	34			3.0	4.0	41			3.5	5.5	53			2.5	4.0	68			3.0	4.5
** 5	62			5.0	7.5	53			5.0	8.0	35					37			3.0	4.5	53			3.5	5.5	64			3.5	6.0
** 10	97			4.0	7.0	48			6.0	9.0	37			5.0	8.0	36			3.5	5.5	49			3.5	5.0	51			4.5	7.0
*** 20	30			10.0	12.0	30			3.0	4.0	30			3.0	4.0	29			3.0	4.0	29			5.0	8.0	30			4.0	6.5

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

** No September or October Data for Log and Voltage

*** No November Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__ Lat. __50-60S__ Long __52.5-67.5W__ Season __Spring__ (__Sept.__ __Oct.__ __***__) 19 __62__

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	$D\ell$	V_{dm}	L_{dm}	F_{am}	D_u	$D\ell$	V_{dm}	L_{dm}	F_{am}	D_u	$D\ell$	V_{dm}	L_{dm}	F_{am}	D_u	$D\ell$	V_{dm}	L_{dm}	F_{am}	D_u	$D\ell$	V_{dm}	L_{dm}	F_{am}	D_u	$D\ell$	V_{dm}	L_{dm}
.013	146			10.5	17.0	147			9.5	14.0	143			6.0	10.5	148			4.5	9.0	149			5.5	10.5	148			7.5	14.0
.051	120			8.5	15.5	116			10.5	15.5	101			6.5	11.0	104			3.5	7.0	107			5.0	9.0	118			6.0	10.5
.16 0	96			7.0	13.0	84			8.5	13.0	69			5.5	8.5	70			4.0	7.0	75			4.0	8.0	91			5.0	10.5
.495	85			5.5	11.0	74			4.0	10.0	68			3.0	8.0	66			2.0	6.0	71			3.0	7.0	86			4.0	9.5
2.5	57			4.0	7.0	49			4.0	6.5	32			3.5	6.5	42			6.5	8.0	48			3.0	5.5	60			3.5	6.0
5	54			5.0	7.5	53			4.5	7.5	34			6.0	9.0	36			4.5	6.5	49			3.0	5.0	58			4.0	6.5
10	45			3.0	5.5	43			3.0	6.0	37			2.5	5.5	35			2.5	4.5	43			2.5	5.0	43			3.5	5.5
20	27			2.5	4.0	27			1.5	3.5	28			4.5	6.5	28			2.5	3.5	28			2.5	4.0	27			3.0	4.0

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

D_u = ratio of upper decile to median in db

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

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

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

*** No November Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station ___USNS Eltanin___ Lat.__50-60S__ Long.67.5-82.5W Season_Spring__(Sept. __ Oct. __ Nov.) 19_62_

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	147			9.0	15.0	143			9.0	14.5	146			8.0	12.5	150			5.0	11.0	145			7.5	13.0	147			8.5	13.5
.051	121			6.5	11.5	106			8.0	16.5	103			8.5	14.0	106			6.0	10.5	108			5.5	10.5	117			6.0	11.0
.160	92			5.5	11.0	74			8.5	13.0	71			10.0	15.0	71			11.0	15.0	77			6.5	10.5	92			5.0	10.5
.495	80			5.0	9.5	62			4.0	7.0	64			3.5	8.0	62			3.5	6.5	71			4.5	7.0	81			4.0	8.5
2.5	60			3.5	6.0	44			6.0	9.0	37			6.0	9.0	42			4.0	5.0	51			3.5	6.0	59			3.5	6.5
5	56			3.5	5.5	45			6.0	8.5	32			5.0	7.5	34			4.0	6.0	49			4.0	6.0	57			4.0	6.5
10	45			3.5	5.5	42			4.5	7.5	34			4.0	6.5	35			3.0	5.0	45			3.0	5.5	46			5.0	7.5
20	28			2.5	4.0	27			3.5	5.0	27			2.5	4.5	28			2.5	4.0	28			3.5	5.0	28			3.0	4.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __USNS Eltanin__   Lat. __60-70S__ Long __67.5-82.5W__ Season __Spring__ (*** __Oct.__ __Nov.__) 19 __62__

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
** .013	142			9.0	13.5	143			7.0	14.0	145			11.5	13.5	146			6.0	10.5	144			8.0	13.0	143			8.5	13.5
** .051	116			6.0	10.5	103			4.5	12.0	103			7.0	12.0	104			5.5	10.0	106			7.0	13.0	116			6.0	10.0
** .160	87			4.5	8.5	72			3.0	10.5	69			7.0	11.5	67			7.0	10.0	73			4.0	7.0	88			6.0	10.0
** .495	73			4.0	8.5	62			6.0	15.0	62			4.0	7.5	63			2.5	6.0	68			2.5	6.0	79			3.0	7.0
2.5	59			4.0	6.5	40			5.0	7.5	35			3.0	5.0	40			3.0	4.5	49			3.0	5.5	59			4.0	6.0
5	57			5.0	7.0	44			5.5	7.5	33			5.0	7.5	36			4.5	6.5	46			3.0	5.0	54			5.5	8.0
10	45			4.0	5.5	39			3.0	5.0	26			2.0	4.0	30			2.0	3.5	41			3.5	5.0	43			5.0	7.0
20	28			3.5	4.5	29			1.5	3.0	28			1.5	3.0	27			2.5	3.5	28			2.0	3.0	28			3.0	4.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

** No September or November Data

*** No September Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden   Lat. 59.5N   Long. 17.3E   Season Fall   (Sept. Oct. Nov.) 1962

TIME BLOCKS (LST)

Frequency (Mc)	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	3	2	9.0	15.0	153	3	2	10.0	17.0	150	3	4	11.0	18.0	150	4	3	8.0	13.0	151	3	3	7.0	12.0	154	2	3	7.0	12.0
.051	122	6	6	8.0	14.0	118	6	6	10.5	16.5	111	9	10	10.5	17.5	111	9	8	9.5	15.5	116	9	6	8.5	14.6	122	7	6	8.0	13.0
.16 0	100	5	6	4.5	9.0	92	5	6	3.5	7.5	81	7	6	3.5	6.5	82	8	6	4.0	7.0	89	7	4	4.0	8.0	100	6	6	4.0	8.0
.49 5	83	8	9	3.5	6.0	62	8	7	3.0	5.0	53	9	3	2.5	4.5	56	10	5	2.0	4.0	72	14	10	2.0	4.0	83	10	10	3.0	6.0
2.5	58	12	5	5.0	9.5	50	9	7	5.5	10.0	33	6	4	4.5	8.0	33	6	3	3.5	6.5	50	6	5	5.5	10.0	57	8	5	4.5	8.5
5	52	4	4	4.5	8.5	48	5	4	4.5	8.5	32	7	6	3.5	6.0	31	8	4	4.5	7.5	49	5	4	4.0	7.0	52	4	4	3.5	7.0
10	33	7	3	2.0	4.5	38	7	4	5.0	8.0	42	7	5	5.5	8.0	47	6	6	4.5	8.0	43	7	5	4.0	7.0	36	5	4	2.5	4.5
20	18	1	3	1.0	3.0	18	2	3	1.5	3.0	20	4	3	1.5	3.5	20	4	3	2.0	4.0	20	3	3	1.5	3.5	18	2	3	1.0	2.5

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __Front Royal, Virginia__ Lat. __38.8N__ Long. __78.2W__   Season __Fall__ (__Sept. Oct. Nov.__) 1962

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	108	7	6			100	9	6			90	10	5			92	13	6			98	14	7			108	7	6		
.500	88	6	6			70	9	6			59	7	4			61	9	5			69	12	7			86	7	9		
2.5	66	8	5			55	8	5			32	4	4			33	6	4			53	10	6			65	8	5		
5	61	6	4			55	6	5			36	5	4			36	7	4			54	6	6			62	6	4		
10	38	3	2			37	4	2			38	6	2			40	5	3			43	4	3			40	4	2		
20	23	1	1			23	1	1			26	1	1			29	2	2			26	2	2			24	1	1		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha, Hawaii   Lat. 22.0 N Long. 159.7 S   Season Fall (Sept. Oct. Nov.) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	3	3	11.0	17.5	154	3	3	11.5	18.0	150	4	4	11.5	17.5	149	4	4	13.0	20.0	148	4	3	12.0	19.5	151	4	3	10.0	16.5
.051	128	5	6	11.0	17.5	127	4	5	12.0	19.5	110	10	6	12.5	19.0	109	10	6	13.0	19.0	109	10	5	10.5	16.0	121	7	4	11.0	17.0
.160	105	7	8	11.0	18.5	97	9	9	11.0	18.5	75	17	7	11.5	18.5	74	20	7	10.5	17.0	81	12	6	9.5	15.5	99	10	7	11.5	19.0
.495	83	11	8	11.5	20.0	72	11	8	9.0	15.5	53	16	4	5.5	8.5	52	17	4	5.5	9.0	61	13	6	6.5	10.0	80	10	7	11.0	18.5
2.5	57	7	5			54	6	6			35	7	4			31	8	3			40	8	5			54	7	5		
5	55	7	6			47	5	4			28	7	4			26	3	4			37	6	5			49	6	4		
10	37	5	4			31	5	4			20	7	2			20	6	3			33	5	5			39	4	5		
20	23	1	1			23	2	0			22	1	1			22	2	1			25	2	2			24	1	1		

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa   Lat. 25.8S   Long. 28.3E   Season Spring (Sept. Oct. Nov.) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	138	6	3			136	5	4			134	7	4			142	5	4			143	6	3			141	8	3		
.051	133	10	5			126	10	5			122	12	9			134	10	7			136	13	6			136	13	5		
.16	110	11	8			94	17	9			88	20	10			100	19	12			109	22	11			112	17	6		
.495	95	10	8			72	21	9			65	29	5			78	33	13			90	24	13			98	13	7		
2.5	69	9	9			60	10	10			51	5	8			56	14	8			66	15	9			74	9	10		
5	61	7	4			54	7	6			44	8	8			48	13	9			61	11	6			62	9	4		
10	39	5	6			36	6	7			30	11	7			38	10	5			48	5	4			44	6	4		
20	22	4	4			22	4	4			24	4	4			30	6	7			31	7	8			27	7	5		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __Ohira, Japan__   Lat. __35.6N__   Long. __140.5E__   Season __Fall__   (__Sept. Oct. Nov.__) 19 __62__

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	4	3	9.0	13.0	152	4	3	9.0	13.0	151	4	3	10.5	14.5	152	4	3	10.0	15.0	153	4	3	8.0	12.5	153	4	3	9.0	13.5
.051	131	5	4	11.0	17.5	124	8	5	10.5	16.5	116	11	7	11.0	15.5	117	10	5	9.5	13.0	122	10	6	8.5	13.0	130	5	4	10.0	16.5
.160	111	6	5	9.0	16.5	94	14	8	11.5	12.0	85	17	7	9.5	15.5	85	17	5	6.5	10.5	96	13	8	8.5	14.5	109	6	7	9.5	16.0
.495	89	8	6	9.0	12.0	69	15	7	8.0	13.5	62	15	5	7.0	10.0	62	18	5	6.0	10.0	78	13	7	8.0	13.5	88	6	5	8.5	14.5
2.5	61	9	6	7.0	11.0	53	9	5	7.0	11.0	44	4	3	6.0	9.0	42	6	2	6.0	8.5	51	10	6	6.5	10.0	59	8	5	6.5	11.0
5	58	5	5	6.0	9.0	56	8	6	6.5	10.5	39	9	5	7.5	11.0	39	10	5	6.0	9.0	57	9	5	5.5	9.0	62	8	6	6.5	10.5
10	34	5	3	3.0	5.0	34	5	3	4.0	6.0	32	7	5	5.0	8.5	34	7	4	4.5	7.0	40	5	4	4.0	7.0	39	6	4	3.5	5.5
20	25	1	1	1.0	3.0	26	2	1	1.5	3.0	26	3	1	2.0	4.0	28	2	2	2.5	4.0	28	3	2	2.0	3.5	25	2	1	1.5	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __Singapore, Malaya__ Lat. __1.3N__ Long. __103.8E__ 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	157	5	4	9.0	14.5	157	5	4	10.5	16.5	155	6	4	13.0	19.5	158	6	4	11.5	18.5	159	5	4	10.0	16.0	156	4	4	9.5	15.0
.051	138	4	5	9.5	15.0	135	7	7	12.0	19.5	129	10	10	16.0	26.5	134	11	8	12.5	21.0	137	7	7	11.5	20.0	137	5	5	10.0	17.0
.16	121	5	6	9.0	16.5	116	9	11	12.0	21.0	104	21	11	13.0	22.0	112	16	12	13.5	23.5	117	9	8	10.5	19.0	120	5	5	9.5	17.0
.545	95	5	6	9.0	17.0	84	14	10	12.0	21.5	71	29	13	13.0	21.6	85	19	14	13.5	24.5	92	10	10	9.5	18.0	95	5	6	8.5	15.5
2.5	65	5	5	7.0	12.0	61	6	7	8.5	15.0	37	22	8	10.0	15.0	42	25	11	9.5	16.0	60	9	9	7.5	13.5	65	4	5	7.0	12.5
5	57	4	6	5.5	9.5	53	5	6	7.0	11.5	38	13	8	10.0	15.5	42	13	9	10.0	15.5	56	5	5	6.5	11.0	59	4	4	5.5	9.5
10	41	7	5	4.5	7.5	39	8	4	5.0	7.5	36	10	5	9.0	14.0	39	10	5	8.5	13.5	47	6	2	5.0	8.0	48	4	4	4.0	7.5
20	23	1	1	2.0	4.0	24	2	1	2.5	4.5	23	8	2	4.0	6.0	26	7	3	4.0	6.5	28	4	2	4.0	6.5	26	3	2	3.0	5.0

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya   Lat. 1.3N   Long. 103.8E   Season Fall   (Sept. Oct. Nov.) 1962

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	160	4	4	9.5	15.0	159	4	4	10.5	16.5	157	5	5	14.0	21.0	161	7	5	11.5	19.0	162	4	5	10.0	16.5	160	4	3	9.0	14.5
.051	140	4	5	9.5	16.0	136	6	6	12.0	20.0	130	9	11	15.5	25.5	138	10	9	13.0	21.5	141	5	7	11.0	19.5	140	4	4	10.5	17.5
.160	122	3	5	9.5	17.5	113	6	9	12.0	22.0	104	16	12	15.5	26.5	116	12	15	13.5	23.0	119	6	6	10.0	19.0	122	4	5	9.5	18.0
.545	94	4	4	7.5	16.0	82	10	10	11.5	20.5	73	22	13	12.0	21.0	94	16	16	11.5	21.0	94	7	6	8.5	16.5	95	5	6	8.0	15.5
2.5	67	4	5	8.0	14.0	59	5	7	10.0	16.5	34	14	6	8.5	12.5	46	23	12	10.0	15.5	59	8	7	8.0	13.5	65	5	5	8.5	14.0
5	59	5	7	6.0	10.0	52	6	8	8.0	12.0	35	10	10	9.0	13.5	42	15	10	10.0	15.5	56	5	6	6.5	11.5	60	5	4	6.5	10.5
10	41	6	4	5.0	5.5	40	5	4	5.5	6.5	35	7	5	9.5	12.0	40	7	5	9.0	10.5	47	4	4	6.0	6.5	48	6	4	5.5	7.0
20	24	2	1	2.0	3.5	23	3	1	2.5	3.5	22	4	1	3.0	4.5	26	10	2	3.5	5.5	26	3	3	4.0	5.5	26	3	2	3.0	5.0

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station __Thule, Greenland__ Lat. __76.6N__ Long. __68.7W__ Season __Fall__ (__Sept.__ __xxx__ __xxx__) 19 __62__

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	140	4	2	7.0	9.0	140	3	2	7.0	9.0	139	3	3	6.5	9.0	138	4	2	6.5	8.0	138	3	2	5.0	7.0	140	4	2	7.0	9.0
.051	118	1	3	10.0	12.5	116	2	1	10.0	13.5	116	2	0	11.0	13.5	116	2	2	10.0	12.5	117	1	1	10.0	12.5	118	2	2	10.0	13.0
.160	81	6	2	8.0	10.0	81	6	2	7.5	10.0	81	8	2	8.0	10.0	82	6	2	7.5	10.0	82	6	2	7.0	10.0	82	6	2	7.5	9.5
.495	63	6	0	7.0	9.0	63	8	2	7.5	9.5	63	6	2	7.5	10.0	63	5	2	7.0	10.0	64	5	2	7.0	10.0	63	7	2	7.5	10.0
2.5	36	16	6			39	12	10			33	16	4			36	15	6			33	14	4			36	14	8		
5	30	8	6			28	7	5			22	6	2			23	6	4			29	6	5			33	5	7		
10	15	5	3			16	4	3			14	5	3			16	5	3			22	7	6			19	5	5		
20	27	4	1			28	5	2			28	5	3			28	5	2			29	4	3			28	3	1		

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

* * * No October or November Data

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 section carries out specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the front cover.

WASHINGTON, D. C.

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

Metrology. Photometry 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. Nucleonic Instrumentation. Neutron Physics.

Analytical 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 Controls.

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

Metallurgy. 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.

Data Processing Systems. Components and Techniques. Computer Technology. Measurements Automation. Engineering Applications. Systems Analysis.

Atomic Physics. Spectroscopy. Infrared Spectroscopy. Far Ultraviolet Physics. Solid State Physics. Electron Physics. 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 Soundings 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 Physics. 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 Standards. Radio Plasma. Millimeter-Wave Research.

Circuit Standards. High Frequency Electrical Standards. High Frequency Calibration Services. High Frequency Impedance Standards. Microwave Calibration Services. Microwave Circuit Standards. Low Frequency Calibration Services.