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ESSA TECHNICAL REPORT IER 18-ITSA 18-31

Quarterly Radio Noise Data
June, July, August 1966

W. Q. CRICHLOW

R. T. DISNEY

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INSTITUTE FOR TELECOMMUNICATION SCIENCES AND AERONOMY
BOULDER, COLORADO
August, 1967

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

Abstract

A number of radio noise recording stations are operated in a program coordinated by the Environmental Science Services Administration. Measurement results are given as month-hour and time block median and decile values. The parameters recorded are the noise power expressed in terms of an effective antenna noise factor, f_a, and the mean voltage and mean logarithm expressed as deviations, V_d, and L_d, in dB below the average power. No systematic statistical editing of the records has been attempted in this publication. The data should be used, realizing the values given may reflect levels of atmospheric noise, man-made noise, or station interference.

These quarterly summaries of radio noise formerly were published as NBS Technical Notes. For continuity of the series, the NBS Technical Notes were numbered 18-1 through 18-26, and the ESSA Technical Report Series starts with 18-27.

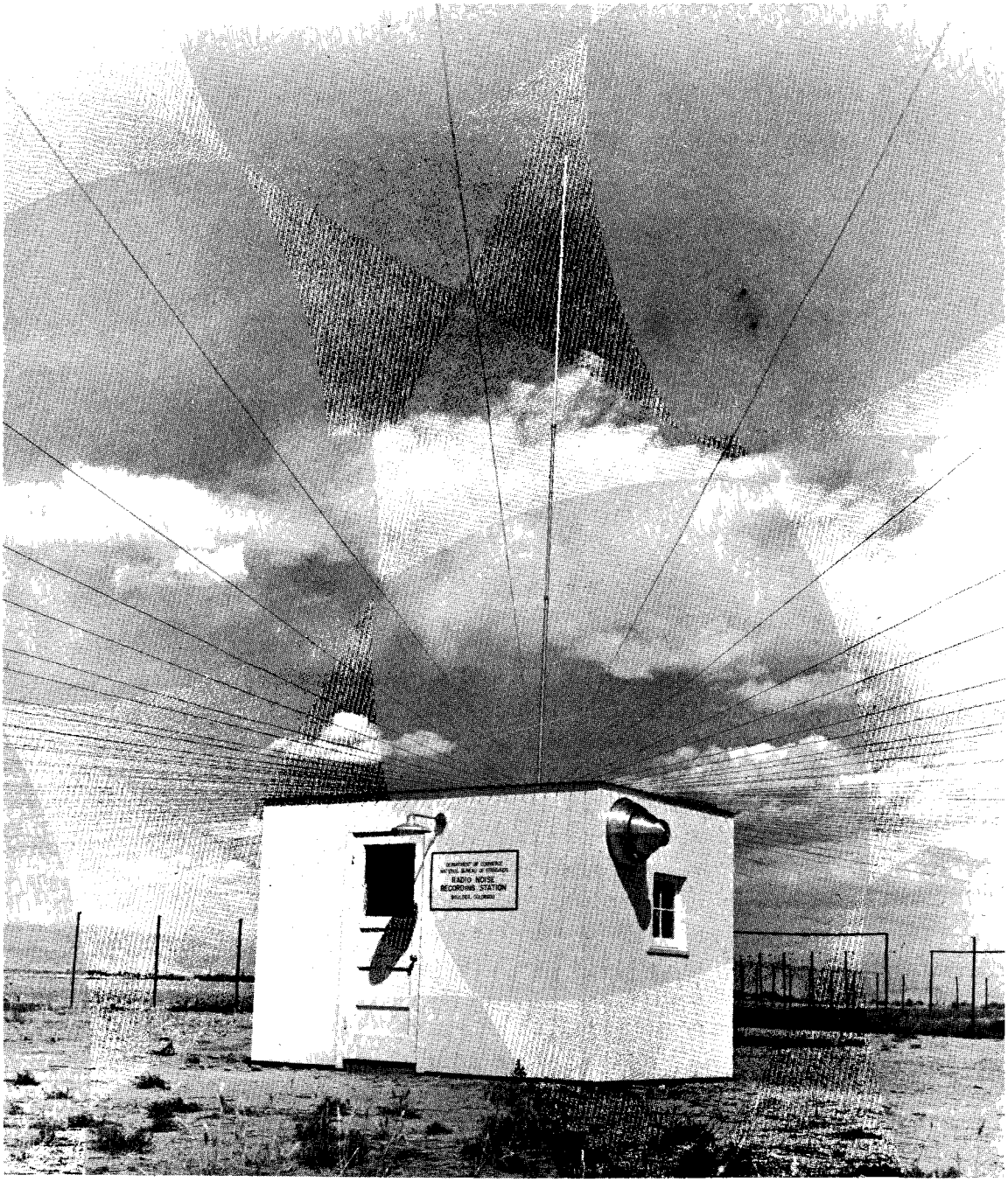


Fig. 1 Radio Noise Recording Station

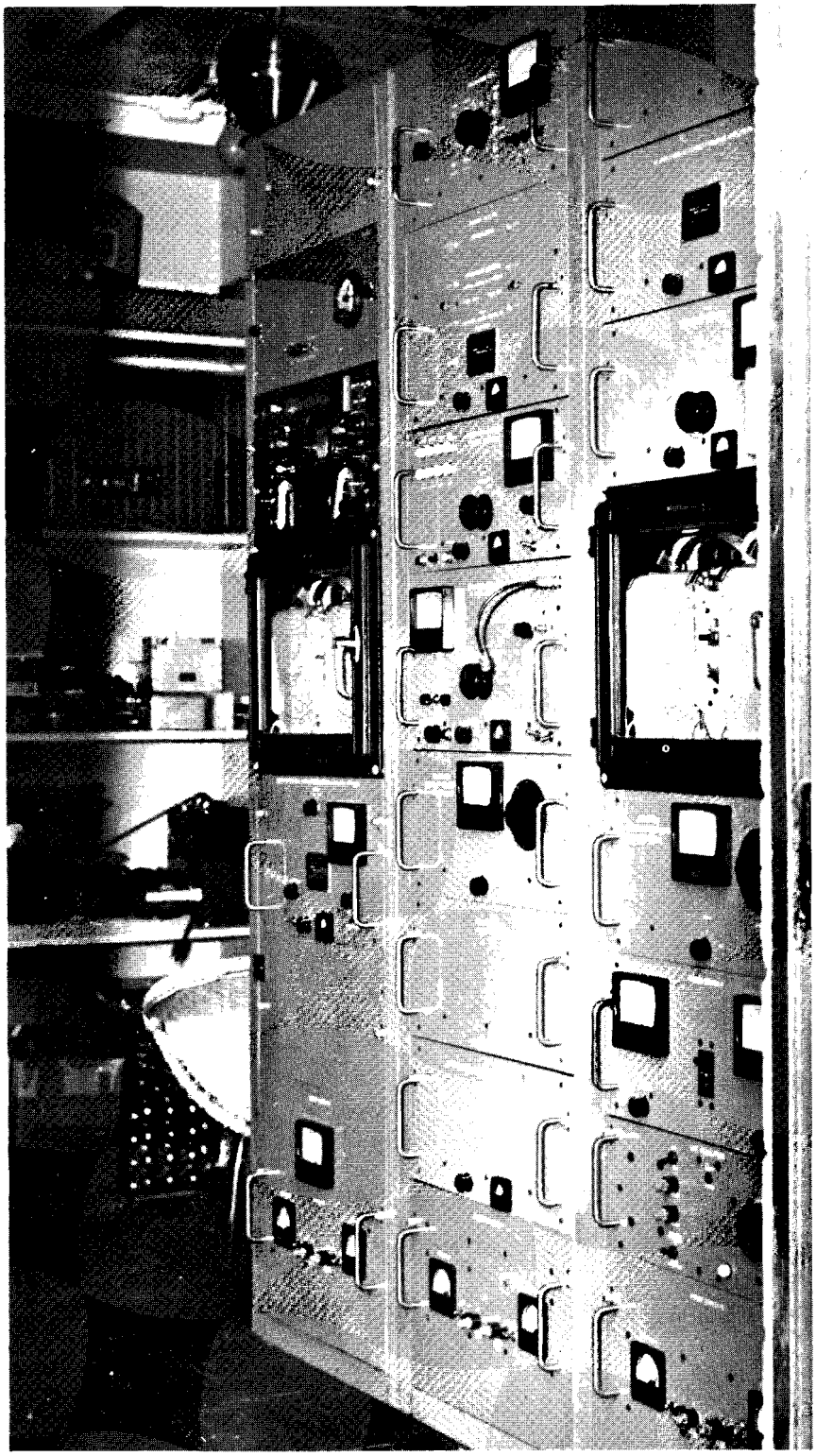


Fig. 2 ARN-2 Atmospheric Radio Noise Recorder

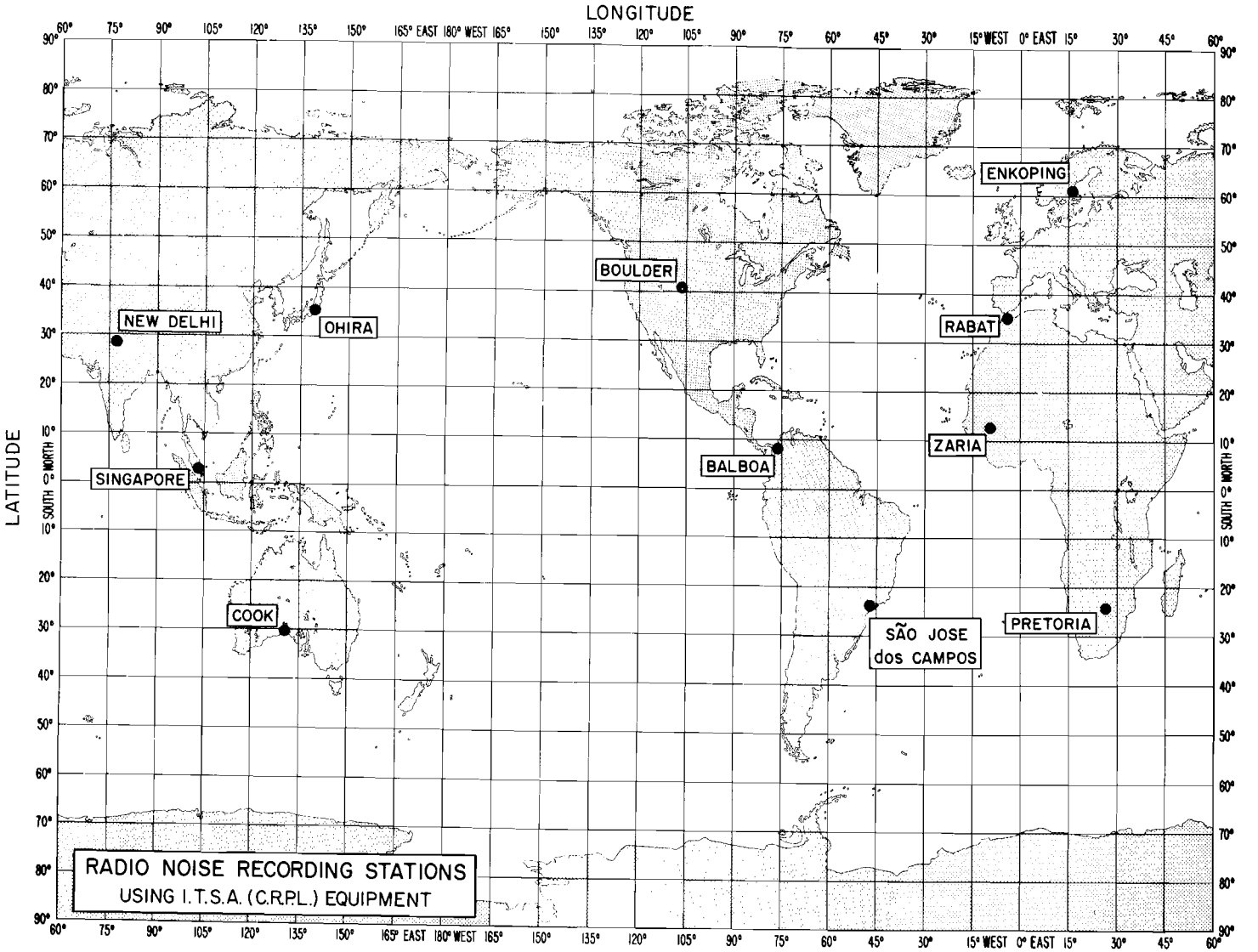

LONGITUDE
LATITUDE
NEW DELHI
OHIRA
BOULDER
ENKOPING
RABAT
ZARIA
BALBOA
SINGAPORE
COOK
SÃO JOSE
dos CAMPOS
PRETORIA
RADIO NOISE RECORDING STATIONS
USING I.T.S.A. (C.R.P.L.) EQUIPMENT

Fig. 3

Introduction

Radio noise measurements are being made at stations in a world-wide network operated in a cooperative program coordinated by the Environmental Science Services Administration. The locations of these stations are shown on the map (fig. 3). The results of these measurements for June, July, and August 1966 are given in this report. Where the results for these months are not presently available, the data will be published in subsequent reports; the data for previous months, which are now available, but have not been published previously, are also included. The tabulated values are based on three basic parameters of the noise; these are the mean power, the mean envelope voltage, and the mean logarithm of the envelope voltage.

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

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

where

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

k = Boltzmann's constant = 1.38×10^{-23} J per degree K

T_o = reference temperature, taken as 288^o K

b = effective receiver noise bandwidth (Hz)

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

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

$$E_n = F_a - 95.5 + 10 \log_{10} b + 20 \log_{10} f_{MHz}$$

where

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

b = effective receiver-noise bandwidth in Hz

f_{MHz} = frequency in MHz.

The value of E_n for a 1 kHz bandwidth can be found from the included nomogram. Note that E_n is the vertical component of the field at the antenna. Note that the rms envelope voltage is 3 dB higher than the rms voltage.

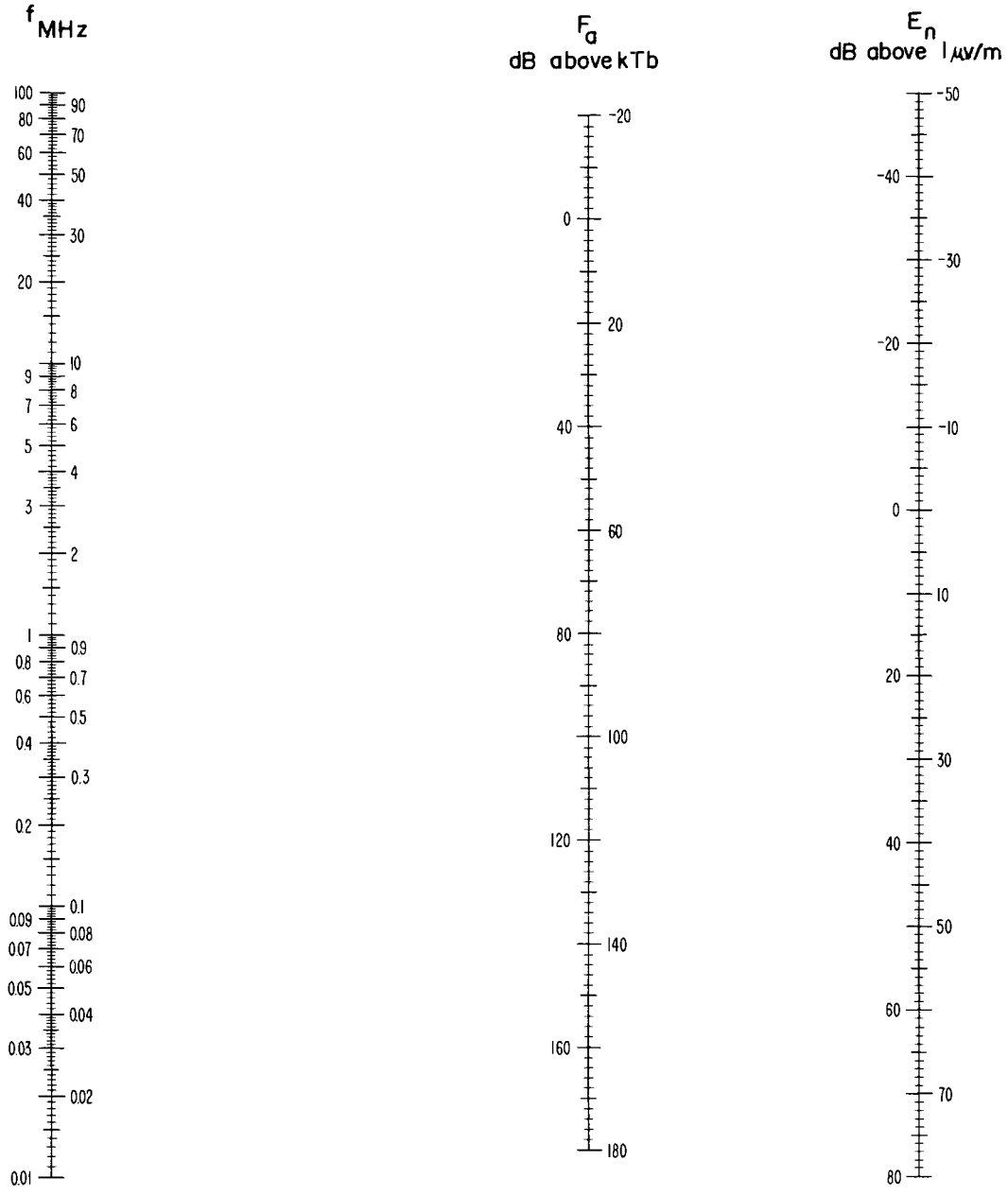
The other two noise parameters tabulated are given relative to the mean power. Thus, the mean voltage and mean logarithm expressed as deviations, V_d and L_d, respectively, are in dB below the mean power.

Measurements of the three parameters reported were made with the Environmental Science Services Administration's Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 Hz and uses a standard 6.63 m (21.75 ft.) vertical antenna. During each hour a 15-minute recording is made on each of eight frequencies two at a time. These 15-minute samples are taken as representing the noise conditions for the full hour during which they were recorded. The month-hour medians, F_{am}, V_{dm}, and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from 25 to 30 observations of the mean power are obtained monthly for each hour of the day, and from 10 to 15 observations of the voltage and logarithm deviations. When there are fewer than 15 observations of the mean power, or fewer than seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

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

Fig. 4

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



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

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/m for a 1 kHz Bandwidth

f_{MHz} = Frequency in Megahertz

In addition to these month-hour values, corresponding values are tabulated for the time blocks as defined by CCIR Report 322. All recorded values for the 4 hours of the day and the 3-month period are used to determine the median and decile values. When no data are available for 1 or 2 months of the season, it is indicated and should be noted when considering seasonal trends.

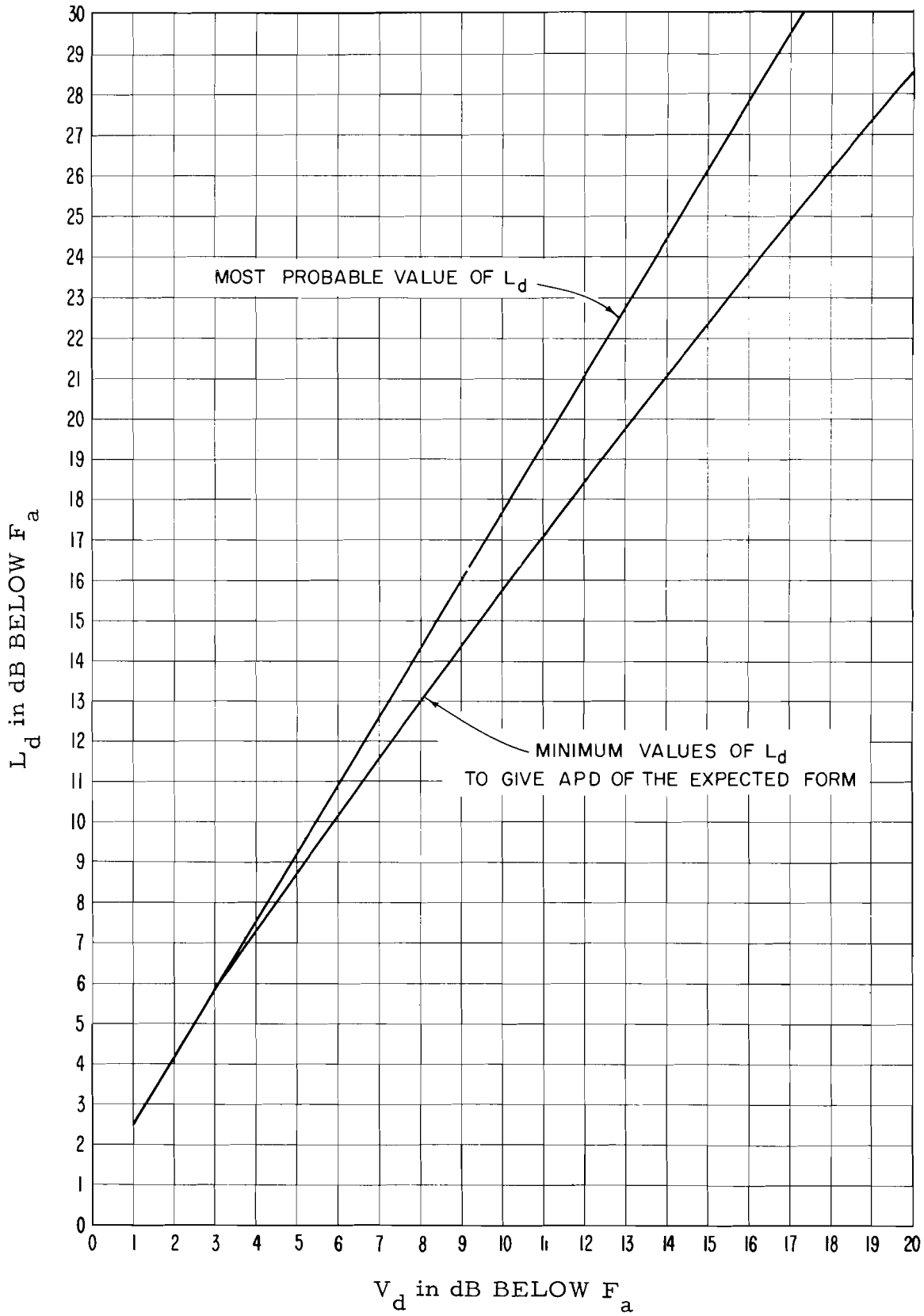
The values presented in the tables reflect the actual measured values of radio noise. The only editing for man-made noise or station contamination of the records has been done by the station operators, and no additional attempt has been made to identify these values by systematic statistical means. These preliminary data values are presented to expedite dissemination of the data; additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications. The parameter that will first reflect any such contamination will be the logarithmic parameter, L_d. This contamination generally will cause the value of L_d to be less then it would have been had the recorded value been only atmospheric noise. In determining the amplitude-probability distribution from the three measured moments [Crichlow et al., 1960b] contaminated values of L_d may be found that will not give a solution for the amplitude-probability distribution. When this occurs, the measured value of L_d can be ignored, and the most probable value of L_d from the curve (fig. 5) of L_d vs. V_d can be used. The most probable value has been determined as that best fit for the integrated moments from over 60 measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on this graph indicates the minimum value of L_d that will give an amplitude-probability distribution with a form factor described in the above reference. Therefore, it can be used to determine (for any value of V_d) whether the measured value or the most probable value of L_d should be used.

Station clocks are set to the local standard time (LST) of the time zone where the station is located and are always an integral number of hours different from universal or Greenwich time (Table 1).

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

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

Fig. 5 MOST PROBABLE AND MINIMUM VALUES OF L_d VERSUS V_d FOR ATMOSPHERIC RADIO NOISE



Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enköping

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

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

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Cherifien (Morocco) - Rabat

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

Telecommunications Department, External - Singapore

Related Publications

The following publications contain additional information on radio noise:

Clark, C. (1962), 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.

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

Crichlow, W. Q., C. J. Roubique, A. D. Spaulding, and W. M. Beery (1960a), Determination of the amplitude-probability distribution of atmospheric radio noise from statistical moments, J. Res. NBS 64D (Radio Prop.), No. 1, 49-56.

Crichlow, W. Q., A. D. Spaulding, C. J. Roubique, and R. T. Disney (1960b), Amplitude-probability distributions for atmospheric radio noise, NBS Monograph 23.

Crichlow, W. Q., D. F. Smith, R. N. Morton, and W. R. Corliss (1955), Worldwide radio noise levels expected in the frequency band 10 kilocycles to 100 megacycles, NBS Circular 557.

Report on revision of atmospheric radio noise data, C.C.I.R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956, (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

World distribution and characteristics of atmospheric radio noise, C.C.I.R. Report No. 322, Xth Plenary Assembly, Geneva, 1963, (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

Fulton, F. F., Jr. (1961), Effect of receiver bandwidth on the amplitude distribution of VLF atmospheric noise, J. Res. NBS 65D (Radio Prop.), No. 3, 299-304.

Horner, F. (1956), An investigation of atmospheric radio noise at very low frequencies, Proc. Inst. Elec. Engs., Pt. B, 103, 743.

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

Obayashi, T. (1960), Measured frequency spectra of very-low-frequency atmospherics, J. Res. NBS 64D (Radio Prop.), No. 1, 41-48.

Spaulding, A. D., C. J. Roubique, and W. Q. Crichlow (1962), Conversion of the amplitude-probability distribution function for atmospheric radio noise from one bandwidth to another, J. Res. NBS 66D (Radio Prop.), No. 6, 713-720.

Taylor, W. L. (1963), Radiation field characteristics of lightning discharges in the band 1 kc/s to 100 kc/s, J. Res. NBS 67D (Radio Prop.), No. 5, 539-550.

Taylor, W. L. and A. G. Jean (1959), Very-low-frequency radiation spectra of lightning discharges, J. Res. NBS 63D (Radio Prop.), No. 2, 199-204.

URSI Special Report No. 7 (1962), The measurement of characteristics of terrestrial radio noise, Elsevier Publishing Co.

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

Watt, A. D. (1960), ELF electric fields from thunderstorms, J. Res. NBS 64D (Radio Prop.), No. 5, 425-433.

Watt, A. D. and E. L. Maxwell (1957), Measured statistical characteristics of VLF atmospheric radio noise, Proc. IRE 45, 1, 55.

Watt, A. D., R. M. Coon, E. L. Maxwell, and R. W. Plush (1958), Performance of some radio systems in the presence of thermal and atmospheric noise, Proc. IRE 46, 12, 1914.

Previous data from the world-wide network have been published in the following NBS Technical Note 18 series:

18-1 July 1, 1957-December 31, 1958
18-2 March, April, May 1959
18-3 June, July, August 1959
18-4 September, October, November 1959
18-5 December, January, February 1959-60
18-6 March, April, May 1960
18-7 June, July, August 1960
18-8 September, October, November 1960
18-9 December, January, February 1960-61
18-10 March, April, May 1961
18-11 June, July, August 1961
18-12 September, October, November 1961
18-13 December, January, February 1961-62
18-14 March, April, May 1962
18-15 June, July, August 1962
18-16 September, October, November 1962
18-17 December, January, February 1962-63
18-18 March, April, May 1963
18-19 June, July, August 1963
18-20 September, October, November 1963
18-21 December, January, February 1963-64
18-22 March, April, May 1964
18-23 June, July, August 1964
18-24 September, October, November 1964
18-25 December, January, February 1964-65
18-26 March, April, May 1965

Previous data from the world-wide network have been published in the following ESSA Technical Report IER 18-ITSA 18 series:

18-27 June, July, August 1965
18-28 September, October, November 1965
18-29 December, January, February 1965-66
18-30 March, April, May 1966

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

Table No. 1

Station	Data			To Convert LST to GMT (hours)
Balboa	June, July, August	1966	75W	+05
Boulder	June, July, August	1966	105W	+07
Cook	June, July, August	1966	135E	-09
Enköping	June, July, August	1966	15E	-01
Ohira	June, July, August	1966	135E	-09
Pretoria	August	1966	30E	-02
Singapore	June, July, August	1966	105E	-07

MONTH-HOUR VALUES OF RADIO NOISE

STATION BALBOA, CANAL ZONE LAT. 9.0 N LONG. 79.5 W JUNE 1966

HR. LST	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	*156			*18.5	*21.0	*139			*17.3	*20.5	*126			*17.8	*21.3	*104			*15.5	*20.5
01	*157			*16.0	*22.0	*142			*19.3	*23.5	*127			*17.8	*21.0	*106			*16.8	*20.0
02	*156			*18.8	*21.3	*138			*18.0	*21.5	*126			*18.0	*21.3	*105			*17.8	*20.3
03	*153			*18.5	*20.5	*139			*18.0	*21.0	*126			*18.8	*23.0	*106			*18.5	*21.0
04	*154			*18.0	*20.5	*139			*18.5	*21.5	*127			*19.5	*23.5	*101			*18.0	*21.5
05	*152			*20.0	*27.5	*137			*18.8	*23.5	*124					* 99			*18.5	*21.0
06	*149					*134			*19.3	*21.5	*116			*19.3	*22.5	* 88			*18.0	*21.5
07	*150			*17.5	*20.5	*129			*19.0	*22.0	*116			*19.0	*22.0	* 93				
08	*150			*20.0	*27.0	*133					*116			*19.0	*22.5	* 86			*18.0	*22.0
09	*151			*19.0	*22.0	*133			*19.5	*22.0	*118			*20.0	*26.0	* 87				
10	*152			*20.0	*25.8	*134			*20.0	*27.5	*114			*20.0	*24.5	* 90			*16.5	*20.5
11	*151			*20.0	*23.8	*133			*20.0	*23.0	*112			*19.0	*23.8	* 86				
12	*154			*19.0	*22.0	*135			*19.5	*21.8	*117			*18.5	*21.5	* 89			*18.8	*22.3
13	154	4.2	2.6	*19.5	*22.0	*137			*19.5	*23.0	117	19.1	11.3	*19.3	*24.0	100	18.8	22.4	*18.0	*22.8
14	156	6.0	2.8	*18.0	*20.5	138	11.2	5.4	*19.3	*22.3	118	16.4	3.9	*19.0	*22.0	98	27.2	13.6	*19.5	*22.5
15	156	6.5	6.2	*17.5	*21.0	*137			*19.3	*24.8	122	16.3	8.0	*19.0	*22.5	96	18.6	13.8	*18.5	*21.5
16	156	6.1	7.6	*17.5	*20.0	*137			*18.5	*21.5	122	12.3	8.0	*18.5	*23.0	100	11.3	21.8	*18.0	*22.5
17	156	5.9	7.6	17.5	20.8	*137			*18.3	*20.8	*123			*19.8	*23.8	* 95			*18.8	*21.0
18	*154			*18.0	*21.0	*141			*20.0	*22.5	124	12.3	12.3	*18.0	*21.5	* 99			*18.5	*21.0
19	*154			*18.3	*21.0	*139			*17.3	*19.8	*125			*17.5	*21.0	*103			*16.0	*18.5
20	*158			*17.5	*20.8	*141			*19.0	*21.3	*126			*18.5	*20.8	*106			*16.5	*21.0
21	*157			*17.0	*20.0	*141			*17.0	*20.0	*126			*16.0	*20.0	*106			*16.5	*19.5
22	*156			18.0	21.5	*140			*18.0	*20.0	*125			*18.0	*21.5	*108			*17.0	*20.0
23	*156			*18.0	*22.0	*139			*17.5	*21.0	*126			*18.0	*20.5	*107			*16.8	*20.3

HR. LST	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	* 72					* 68					* 64					* 32				
01	* 73					* 66					* 59					* 35				
02	* 73					* 66					* 56					* 28				
03	* 76					* 67					* 57					* 30				
04	* 73					* 66					* 52					* 28				
05	* 73					* 73					* 55					* 30				
06	* 64					* 64					* 50					* 28				
07	* 57					* 56					* 47					* 26				
08	* 55					* 54					* 45									
09	* 49					* 47					* 43					* 40				
10	* 39					* 44					* 42					* 40				
11	* 40					* 40					* 41					* 34				
12	* 49					* 48					* 46					* 26				
13	* 59					* 56					* 56					* 29				
14	* 73					* 63					* 55					* 32				
15	* 61					* 64					* 56					* 30				
16	* 63					* 58					* 56					* 38				
17	* 67					* 65					* 57					* 35				
18	* 73					* 70					* 59					* 30				
19	* 75					* 72					* 63					* 30				
20	* 77					* 71					* 65					* 28				
21	* 74					* 72					* 62									
22	* 76					* 70					* 64					* 28				
23	* 73					* 66					* 73					* 32				

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

** Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION BALBOA, CANAL ZONE LAT. 9.0 N LONG. 79.5 W JULY 1966

HR. LST	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	155	7.5	9.5	15.3	20.0	142	10.3	14.0	17.0	20.0	136	13.0	10.7	15.0	20.0	106	9.1	10.7	14.0	18.0
01	157	4.9	9.4	16.3	21.5	140	10.1	8.0	15.8	20.5	137	8.0	8.0	15.0	21.5	105	9.9	10.1	12.8	17.8
02	156	6.0	8.3	16.3	20.5	140	10.5	8.5	14.5	20.0	135	10.0	6.1	13.5	18.5	105	9.7	13.2	11.5	16.0
03	156	6.7	8.0	15.0	20.5	142	10.7	8.0	13.0	18.5	139	7.7	10.0	13.0	17.0	107	9.9	13.9	16.0	20.0
04	156	8.0	6.3	17.5	21.0	142	12.0	10.0	12.5	17.5	137	10.0	8.1	12.8	17.0	107	9.9	13.9	13.5	19.0
05	158	6.3	8.0	16.5	21.0	140	12.5	6.5	16.5	22.0	137	11.7	9.7	14.3	20.3	105	13.2	17.7	*14.5	*20.0
06	157	5.0	10.0	*19.0	*25.5	139	12.0	11.5	17.5	22.0	137	8.1	14.0	17.0	23.5	103	12.0	18.8	*20.0	*25.5
07	154	6.0	10.3	18.0	23.0	138	12.0	12.0	*18.8	*22.8	132	12.9	10.9	17.5	24.0	101	13.9	17.7	*17.5	*22.5
08	153	9.0	7.0	*17.8	*22.0	134	18.0	9.1	*17.5	*25.5	133	10.0	13.6	18.5	23.5	105	10.1	22.1	17.5	23.5
09	153	7.0	8.8	17.3	22.0	133	18.3	7.1	20.0	24.0	131	14.0	22.5	*18.8	*24.3	97	18.8	14.6	*18.5	*24.3
10	153	7.0	10.3	17.5	22.0	134	14.0	11.5	*19.5	*26.0	131	13.5	19.6	*18.5	*25.0	93	21.0	16.0	*15.0	*19.5
11	154	5.1	11.1	18.0	21.8	138	10.0	18.0	17.0	21.5	129	14.0	18.5	*19.3	*23.0	94	23.5	17.2	*13.0	*18.0
12	152	7.3	10.0	16.5	22.0	133	15.6	13.0	16.0	21.0	129	10.3	16.3	*19.0	*26.0	97	15.4	20.7	*17.5	*19.0
13	154	6.0	12.0	*13.5	*19.8	135	11.6	11.0	*14.5	*20.0	127	26.0	10.0	*17.3	*26.5	97	26.5	18.0	*18.3	*26.0
14	154	10.9	8.0	14.8	18.8	138	12.7	10.7	15.5	20.0	131	15.7	8.1	19.0	24.3	97	23.7	11.7	*20.0	*24.5
15	154	10.1	7.9	14.0	18.0	137	13.5	9.5	13.3	18.3	130	18.6	14.7	17.5	23.5	101	21.6	20.4	*19.0	*20.0
16	156	8.1	10.1	16.0	20.5	138	18.7	11.4	15.0	18.0	130	18.7	15.5	17.0	21.5	101	22.0	16.6	*14.5	*24.0
17	156	7.9	8.3	14.0	17.8	134	16.7	10.0	15.5	19.0	129	16.8	11.9	19.5	22.5	97	21.9	15.2	*12.5	*19.8
18	154	9.7	10.1	15.5	18.5	134	14.0	14.0	13.5	18.5	129	17.7	9.7	15.0	19.8	97	22.0	9.7	15.3	20.5
19	152	10.0	8.3	15.5	19.5	136	10.7	14.0	15.0	20.0	131	15.2	9.6	16.5	20.5	101	15.5	13.0	14.5	20.5
20	154	6.3	10.0	13.5	18.5	135	11.9	9.9	12.0	18.0	132	12.3	10.6	15.0	18.3	103	13.0	13.7	11.0	17.0
21	154	6.9	9.8	14.5	19.0	136	12.7	10.0	16.5	20.0	133	8.1	10.1	13.8	18.5	103	8.4	12.1	14.0	18.0
22	153	7.0	9.0	14.5	19.8	136	10.0	8.7	15.5	20.0	133	9.9	10.0	14.8	20.0	103	10.0	11.9	14.0	19.0
23	154	6.0	12.0	15.0	18.5	140	10.0	12.7	16.0	21.0	133	10.2	9.2	15.8	19.3	105	9.7	11.7	13.3	17.8

HR. LST	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	79	8.0	2.0	17.3	21.0	71	5.7	3.9	16.5	19.0	57	11.5	16.0	16.5	19.0	36	3.5	6.0	15.5	16.5
01	81	4.0	4.0	17.5	21.0	71	4.0	1.6	16.5	19.0	57	6.0	18.0	15.0	17.5	36	5.3	8.0	15.5	16.5
02	81	6.0	2.0	17.3	21.0	71	4.1	2.0	15.5	18.8	55	4.1	21.5	*15.8	*17.8	36	5.3	8.0	14.0	15.0
03	83	6.0	4.0	17.5	21.0	72	3.1	2.6	16.0	18.0	55	3.9	23.7	17.8	21.0	36	5.3	6.0	14.5	15.5
04	85	4.1	6.0	17.5	22.0	71	4.8	2.0	16.3	19.3	53	6.0	21.7	17.0	20.5	36	6.0	6.0	15.0	16.5
05	83	5.3	5.3	18.0	22.5	77	4.0	5.5	16.5	20.5	51	7.7	19.9	17.3	20.0	36	6.0	8.0	15.8	17.0
06	77	6.0	8.6	19.5	26.0	69	5.5	2.0	*18.5	*23.0	53	4.0	19.7	17.3	20.3	36	7.6	6.1	*16.0	*18.0
07	73	9.7	11.6	20.0	28.0	61	9.7	4.1	*18.5	*23.8	47	8.1	16.2	16.5	19.0	36	5.6	6.1	*16.0	*17.5
08	72	7.5	21.0	20.0	29.0	57	9.5	5.5	18.0	22.0	43	9.6	16.1	16.8	19.5	36	6.0	5.7	15.5	19.0
09	65	12.0	20.5	*19.8	*28.5	55	10.1	7.7	*20.0	*27.5	41	10.0	17.7	*18.5	*22.3	34	7.7	8.0	14.5	17.5
10	65	10.8	21.9	*20.0	*29.5	53	9.7	10.0	*20.0	*29.0	39	6.4	15.7	*19.0	*22.5	33	6.6	6.6	*17.0	*19.5
11	53	21.1	10.0	*20.0	*29.5	48	18.7	7.0	*20.0	*24.5	39	11.9	15.7	*19.0	*23.0	34	9.2	6.1	16.0	17.5
12	47	34.6	6.0	*20.0	*30.0	47	14.2	7.8	*20.0	*30.0	41	6.4	16.2	*19.3	*24.0	34	10.3	6.3	16.3	18.3
13	57	31.2	15.5	*19.5	*26.5	53	21.6	10.1	*20.0	*30.0	43	20.6	15.6	*20.0	*26.5	38	13.8	8.5	*16.0	*18.3
14	65	25.9	20.2	*20.0	30.0	57	15.0	9.5	*20.0	*29.3	47	10.1	16.1	*18.5	*23.0	40	6.0	11.0	*16.5	*18.5
15	67	23.5	16.0	*20.0	*29.5	58	20.3	7.0	*20.0	*28.5	50	13.0	13.6	*18.5	*22.8	42	7.8	6.6	18.0	20.0
16	68	26.3	18.3	*19.5	*26.5	61	21.1	6.0	*19.3	*25.3	53	15.0	16.1	*15.8	*18.3	40	8.0	5.3	17.0	19.3
17	69	21.9	10.1	*18.0	*23.5	69	7.5	6.0	*17.0	*20.8	57	6.4	21.5	*16.3	*17.8	40	6.2	7.6	15.8	17.5
18	75	19.1	11.3	*17.5	22.0	73	6.0	4.0	*15.5	*18.0	57	5.6	17.6	15.0	17.0	40	6.0	7.8	16.0	18.0
19	79	7.1	5.1	*16.8	20.5	77	2.1	5.6	16.5	18.5	57	6.0	17.3	15.5	17.5	39	5.1	9.1	15.0	17.0
20	81	5.1	7.1	16.5	19.5	77	4.0	2.0	*14.5	*16.5	57	4.0	17.5	15.5	18.0	36	8.1	6.0	14.3	16.3
21	80	5.0	4.3	17.5	20.0	75	4.0	4.0	*13.0	*14.8	57	6.0	17.3	14.5	16.0	36	5.1	7.1	15.8	17.0
22	81	4.0	5.1	17.0	20.0	75	3.3	3.3	*18.5	*22.0	56	9.0	17.0	16.0	18.5	35	4.3	6.3	15.0	16.3
23	79	4.0	4.0	17.0	20.5	71	5.5	4.0	16.5	19.0	57	10.0	18.0	17.0	19.5	36	5.1	7.1	16.0	17.0

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

** Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION BALBOA, CANAL ZONE LAT. 9.0 N LONG. 79.5 W AUGUST 1966

HR. LST	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	*155			*19.5	*22.5	*144			*17.8	*20.8	122	6.0	8.6	*16.3	*19.5	*100			*15.3	*18.3
01	*158			*18.3	*21.5	146	6.1	11.3	*18.0	*21.0	126	6.0	10.0	*19.0	*20.3	102	3.3	13.0	*15.8	*19.3
02	161	6.3	12.7	*19.3	*23.3	*146			*18.5	*20.5	*126			*18.0	*20.8	103	6.3	15.3	*17.0	*19.5
03	161	6.6	11.1	*17.5	*22.3	*146			*17.3	*21.0	127	6.9	11.3	*18.0	*21.5	104	3.4	19.0	*16.0	*19.0
04	*159			*19.0	*23.3	146	8.0	9.7	*17.3	*20.0	126	6.3	10.3	*17.5	*21.0	*103			*17.0	*22.0
05	*159			*19.0	*23.0	*147			*18.0	*22.0	130	4.3	18.6	*18.0	*21.8	101	10.3	16.8	*18.0	*20.0
06	*157			*20.0	*25.0	*146			*18.5	*19.5	*128			*18.8	*23.3	101	9.4	18.2	*17.5	*22.5
07	*157			*20.0	*24.0	*143			*19.3	*24.8	*124			*17.5	*21.5	* 96			*18.0	*22.5
08	*159			*19.5	*24.5	*142			*20.0	*24.0	*118			*19.3	*23.8	97	10.2	24.7	*18.8	*21.8
09	*159			*20.0	*25.0	*138			*20.0	*28.5	*124			*19.8	*25.8	* 99			*19.0	*23.8
10	*153			*19.3	*23.0	*142			*20.0	*25.0	*124			*19.8	*25.5	* 97			*19.0	*25.0
11	*155			*19.5	*24.3	*142			*19.8	*24.3	*124			*18.5	*23.0	* 96			*13.5	*14.5
12	*157			*19.8	*24.5	*142			*19.0	*23.0	*128			*19.3	*25.5	* 97			*19.0	*24.5
13	*157			*17.5	*21.0	*140			*17.5	*21.0	*122			*19.8	*25.0	* 99			*20.0	*27.3
14	*156			*17.5	*21.0	*140			*18.5	*22.0	*126			*18.5	*26.0	*101			*19.3	*26.5
15	*159			*18.8	*21.3	*142			*18.8	*26.0	*123			*18.3	*22.5	* 99			*19.3	*27.0
16	*155			*19.0	*22.3	*138			*17.8	*21.0	120	16.6	18.0	*16.0	*20.5	95	22.8	19.4	*16.5	*21.5
17	*157			*19.0	*22.5	*138			*19.0	*21.8	*116			*18.5	*21.5	* 99			*16.0	*20.5
18	*158			*18.5	*20.5	140	9.4	10.0	*18.5	*21.3	*121			*19.3	*23.3	99	12.2	14.6	*18.0	*19.5
19	*156			*19.0	*22.3	142	8.2	10.3	*18.5	*21.0	122	10.5	8.0	*17.5	*20.5	99	12.7	10.1	*18.0	*19.5
20	159	4.6	7.9	*19.0	*21.5	142	7.1	8.1	*18.0	*20.8	121	8.3	7.0	*16.5	*19.5	101	9.7	10.6	*14.5	*18.0
21	159	2.3	8.3	*18.3	*22.3	*140			*17.3	*20.3	121	11.6	5.4	*16.0	*18.5	101	14.0	8.3	*15.5	*18.5
22	*159			*17.0	*21.0	*141			*16.5	*19.5	*120			*15.5	*18.8	* 99			*15.0	*17.8
23	*159			*17.5	*21.0	142	9.1	8.3	*18.0	*20.8	122	8.9	8.0	*16.0	*19.5	99	13.7	4.6	*16.8	*18.8

HR. LST	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	74	4.0	4.0	15.5	19.0	61	3.2	4.9	15.3	18.3	60	2.6	10.0	13.0	15.0	32	6.5	4.5	14.0	15.5
01	76	2.0	4.0	16.0	19.5	62	3.9	5.9	15.0	18.5	60	6.3	8.6	13.8	15.3	32	4.0	4.3	13.8	15.8
02	74	6.0	2.0	15.5	19.5	62	4.0	6.0	15.5	18.8	55	9.0	9.5	14.5	17.0	31	5.0	3.0	14.5	17.0
03	76	4.7	4.7	16.0	20.0	62	4.0	4.9	14.5	17.8	54	6.8	12.3	15.5	18.5	30	4.6	4.0	15.0	16.3
04	78	2.0	6.0	15.5	19.0	62	2.0	6.9	15.0	18.0	50	8.9	8.9	*15.0	*17.5	30	12.7	4.7	15.5	17.3
05	76	5.1	4.0	16.8	21.0	68	6.0	10.7	*16.3	*21.0	52	9.4	10.7	14.5	17.0	30	8.6	4.3	15.0	16.5
06	71	5.5	11.0	18.0	24.0	59	5.0	8.4	*16.8	*21.8	54	4.5	7.0	15.0	18.0	32	7.4	4.7	15.0	16.0
07	62	10.7	11.4	19.3	25.8	52	6.0	8.0	18.5	22.5	50	6.3	6.0	14.5	18.5	32	6.0	4.5	*14.5	*15.5
08	59	13.0	13.9	18.5	25.0	49	4.8	11.0	18.5	24.5	44	5.3	4.0	17.5	21.5	34	4.5	6.5	14.5	15.8
09	53	16.6	15.6	*17.5	*19.5	46	7.7	15.9	*18.8	*25.0	42	13.0	6.0	*18.3	*22.0	32	2.0	4.0	16.0	17.5
10	58	12.8	26.0	*19.3	*27.0	45	13.2	15.1	18.5	24.5	40	9.3	7.3	18.0	22.5	30	8.0	4.0	17.0	20.0
11	53	18.1	20.8	*17.0	*24.0	40	9.5	10.0	*18.0	*25.5	38	9.5	4.0	18.5	23.5	30	8.1	6.9	14.0	16.5
12	50	16.5	16.8	*14.5	*16.5	39	19.1	10.9	*19.0	*20.3	40	12.2	6.0	*17.5	*22.5	32	14.4	4.5	15.0	17.0
13	52	32.0	20.3	*19.0	*26.0	40	29.5	9.5	*16.3	*20.8	44	20.9	9.2	17.0	21.5	34	18.0	4.7	15.0	17.5
14	56	18.6	21.8	*18.5	*25.8	46	17.3	16.0	*17.0	*19.5	46	9.3	6.6	17.0	21.5	36	8.7	2.7	15.0	17.5
15	64	18.2	22.0	*18.5	*26.3	53	16.8	17.6	17.8	23.5	48	8.3	6.3	16.5	21.5	38	4.3	6.6	15.0	17.5
16	58	19.9	13.9	*16.0	*20.0	50	15.5	10.9	16.5	21.0	50	8.0	4.0	15.5	18.3	38	4.0	5.1	15.0	17.0
17	60	14.2	12.2	18.5	23.0	58	8.5	8.0	*15.0	*20.0	54	6.5	4.5	14.5	17.5	38	8.3	3.1	15.0	17.5
18	68	12.0	9.4	15.0	19.0	66	4.0	6.0	*15.8	*20.3	57	9.0	7.0	14.8	17.3	38	9.5	2.6	15.0	17.0
19	74	8.1	6.3	15.0	19.0	68	4.0	8.3	14.5	18.5	56	12.1	8.0	14.0	16.8	36	6.1	6.4	15.5	18.0
20	74	9.6	4.1	15.0	18.0	68	6.0	7.6	*15.0	*17.0	56	10.2	4.0	14.5	17.5	34	12.0	6.0	14.3	15.8
21	74	6.0	4.3	15.0	18.0	67	5.3	7.0	15.0	17.0	57	12.4	7.0	14.5	17.0	32	6.2	4.0	13.5	15.3
22	74	4.1	3.7	14.5	17.5	64	6.7	6.0	15.0	17.8	56	12.0	8.0	13.5	17.0	30	4.6	4.0	13.5	15.0
23	74	4.0	4.0	14.0	17.0	60	6.0	4.3	14.5	18.0	56	5.4	6.3	13.8	16.0	30	4.3	2.0	12.5	13.5

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

* Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION BOULDER, COLORADO LAT. 40.1 N LONG. 105.1 W JUNE 1966

HR.	FREQUENCY (MHz)																			
	.013					.051					.160					.495				
LST	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	163	3.9	3.7	10.0	17.0	142	4.0	5.7	7.3	11.8	118	5.0	6.5	7.0	13.0	97	6.7	3.0	6.0	12.0
01	162	3.9	3.0	*10.0	*17.0	140	5.5	4.5	7.5	12.8	117	6.1	6.1	7.5	13.3	96	6.9	7.7	* 7.3	*13.5
02	161	5.0	3.4	*10.0	*17.5	140	5.3	5.7	* 7.0	*11.8	115	7.2	5.1	* 8.0	*15.5	95	6.0	6.3	* 6.0	*11.5
03	160	5.9	5.0	10.5	19.0	139	6.3	6.0	7.0	12.0	113	7.8	8.7	8.5	18.0	91	5.0	10.6	* 8.5	*14.5
04	160	3.4	4.6	*12.0	*19.8	132	9.7	4.1	* 9.0	*15.5	105	10.9	6.5	*10.0	*21.0	74	12.5	11.2	5.5	8.8
05	160	2.7	4.7	*11.0	*20.5	133	5.7	5.2	7.5	12.5	105	11.2	10.5	*11.3	*18.5	68	16.1	7.0	4.5	6.5
06	161	2.9	8.0	13.0	21.5	133	4.0	8.8	7.5	12.5	104	11.4	9.4	*10.0	*17.8	70	13.3	9.1	* 3.0	* 5.0
07	161	2.9	6.3	*12.8	*21.3	133	4.9	11.4	7.0	13.0	103	11.1	20.3	* 9.5	*14.3	67	14.2	6.0	* 4.0	* 7.3
08	160	3.0	6.0	*13.0	*21.0	130	6.2	9.2	6.5	12.0	97	15.7	17.5	*11.0	*17.5	67	11.3	7.9	* 3.0	* 5.3
09	161	3.5	7.0	*14.0	*21.5	130	6.1	5.9	6.5	12.0	102	10.3	9.6	*12.3	*20.8	68	15.1	8.0	* 3.5	* 5.0
10	160	4.1	5.1	*13.0	*20.5	131	5.9	4.4	* 8.8	*14.3	103	8.4	11.1	*10.0	*19.5	67	25.7	5.5	* 3.8	* 5.5
11	162	6.1	4.3	12.5	20.0	135	9.4	6.3	9.0	14.3	107	11.7	13.0	*10.0	*17.5	75	14.7	12.3	* 6.5	*13.0
12	164	6.1	4.1	11.8	19.3	137	10.0	5.1	* 9.0	*14.0	112	12.7	14.0	*11.0	*21.0	77	23.6	13.9	* 7.3	*13.3
13	165	7.3	4.3	11.0	18.0	139	11.8	5.0	9.3	14.0	117	12.8	14.0	*12.0	*20.5	97	16.4	26.2	* 9.5	*18.0
14	166	6.3	4.9	9.5	16.0	141	8.3	5.0	* 9.5	*14.5	117	11.0	11.2	*12.5	*20.5	99	16.0	23.2	*12.3	*22.8
15	166	5.6	2.6	9.0	14.8	143	8.7	7.0	8.5	13.5	120	8.4	7.7	10.3	18.8	99	16.9	17.3	11.3	20.0
16	167	6.5	3.0	9.0	15.3	144	7.7	7.0	7.5	12.0	121	7.5	12.0	8.0	14.5	101	8.0	20.7	* 9.0	*16.0
17	167	4.3	3.1	8.3	14.3	144	6.8	7.6	8.3	13.0	121	9.4	8.8	7.8	13.3	99	12.9	15.4	9.5	18.8
18	167	3.1	4.9	7.5	13.0	144	6.5	6.9	8.5	12.5	122	5.7	8.7	9.0	15.3	97	10.3	13.7	*10.0	*19.3
19	167	3.4	5.0	9.0	14.8	142	5.6	6.2	7.0	12.3	119	7.7	7.5	* 6.3	*10.8	95	10.9	7.6	6.8	11.5
20	165	3.9	4.0	9.0	16.0	144	3.7	5.7	7.5	13.0	122	5.1	7.0	* 5.3	* 9.5	97	7.1	8.1	6.0	10.5
21	165	4.0	3.9	9.0	17.0	144	2.1	3.9	7.0	12.0	121	4.0	4.0	6.3	12.3	97	8.1	3.7	* 7.0	*11.0
22	164	5.0	2.9	10.0	15.5	144	3.0	4.7	7.0	11.5	120	5.7	4.7	6.8	12.3	98	6.5	3.6	6.0	11.5
23	164	3.0	3.1	10.3	17.0	143	3.0	4.6	7.8	12.8	118	5.2	3.0	* 6.3	*12.0	97	6.9	4.1	* 6.3	*12.0

HR.	FREQUENCY (MHz)																			
	2.5					5					10					20				
LST	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	74	3.3	7.4	5.0	10.5	64	2.9	4.9	5.0	10.0	47	4.9	5.0	4.5	7.5	22	4.0	1.1	3.0	5.0
01	74	3.2	8.1	5.0	11.0	62	3.5	4.3	4.5	8.5	46	2.9	5.9	5.0	8.8	22	2.1	1.9	3.0	4.5
02	73	3.2	8.2	6.0	12.0	62	4.0	4.1	5.0	10.3	44	3.7	6.5	4.5	7.8	22	2.1	1.9	2.5	4.3
03	71	4.1	6.0	6.5	13.0	60	3.0	4.0	6.0	10.3	43	3.5	6.5	5.0	8.3	22	1.0	1.7	2.5	4.0
04	64	9.8	7.0	7.0	13.5	58	4.9	5.1	7.0	13.0	43	4.1	3.1	5.0	8.5	21	2.0	1.0	2.5	4.0
05	52	8.1	7.0	5.0	10.0	51	7.1	4.3	7.3	12.8	43	4.0	2.9	4.8	9.8	22	1.7	2.7	2.8	4.8
06	48	6.2	4.1	4.5	6.8	48	9.5	6.4	7.5	11.5	41	5.3	4.3	5.0	8.5	22	3.0	2.1	3.0	5.0
07	46	5.0	4.0	3.0	6.0	43	8.3	6.0	6.5	10.8	40	5.9	4.1	5.5	9.5	22	3.4	2.0	3.0	5.3
08	45	4.7	3.0	3.5	6.5	40	6.3	5.7	5.5	9.0	38	6.5	4.5	5.8	9.5	22	4.0	1.4	3.5	5.5
09	45	6.7	2.7	3.0	6.0	39	7.3	5.0	6.5	9.5	38	4.9	5.9	5.0	9.0	23	2.0	2.0	3.0	5.0
10	46	6.6	4.5	4.0	7.3	38	6.4	5.0	4.0	7.3	38	5.1	5.0	6.0	10.0	22	3.4	1.5	3.5	6.5
11	46	4.7	1.7	2.5	7.0	39	13.0	5.5	5.0	8.5	38	4.1	5.1	6.0	9.5	23	4.1	2.1	4.0	6.5
12	47	21.6	2.9	3.5	5.5	40	9.8	4.4	5.0	9.5	38	5.9	1.9	6.0	9.8	23	7.3	3.0	4.0	7.0
13	* 49			* 3.5	* 6.8	41	19.8	5.0	* 4.5	* 8.0	43	5.4	6.5	5.0	9.5	25	5.7	3.3	3.5	7.0
14	51	28.4	6.0	3.5	7.0	46	14.1	8.1	5.8	10.0	44	4.3	3.0	4.5	8.0	25	3.9	3.9	4.0	6.0
15	60	16.7	15.5	6.0	11.8	52	12.6	10.3	5.3	10.0	46	7.7	3.0	4.5	8.5	27	10.2	5.2	3.8	6.3
16	61	15.3	14.6	5.3	9.5	55	8.3	10.3	5.0	9.5	49	3.9	3.4	5.0	8.0	27	6.3	4.3	4.0	6.5
17	59	15.1	12.9	3.8	7.8	58	4.7	9.0	4.5	8.3	51	3.2	3.2	4.0	7.5	29	4.5	6.0	3.5	6.5
18	63	11.0	11.0	5.0	8.8	61	5.0	3.3	4.0	7.0	53	2.2	3.9	4.0	7.5	29	3.3	5.1	4.0	8.0
19	67	7.3	3.3	4.3	7.5	65	4.0	4.1	4.0	7.0	54	4.0	2.1	4.0	7.5	27	2.2	3.1	3.5	6.0
20	74	5.0	5.5	4.0	7.5	67	3.9	4.6	4.0	7.5	54	2.7	3.5	4.0	7.5	25	7.0	3.0	3.5	5.0
21	75	5.2	6.5	4.5	8.0	67	2.1	4.0	4.0	7.8	53	2.2	3.1	4.0	9.0	24	4.0	2.0	3.0	5.0
22	75	4.1	7.0	4.5	8.3	67	2.0	4.8	4.5	8.0	51	2.6	4.5	3.5	7.5	23	3.7	1.7	2.5	4.8
23	75	4.9	8.0	5.0	9.8	65	3.0	5.0	5.0	9.5	48	4.7	5.0	4.5	8.8	22	5.1	1.0	3.0	4.8

\# Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

* Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION BOULDER, COLORADO LAT. 40.1 N LONG. 105.1 W JULY 1966

HR. LST	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	165	2.6	8.9	*10.0	*16.0	143	4.0	6.0	8.0	13.5	119	7.7	7.0	* 8.0	*13.0	98	6.8	6.8	* 5.5	*10.5
01	164	2.3	6.4	*10.3	*16.5	140	5.0	4.0	7.5	12.0	118	7.7	7.0	* 7.0	*11.8	96	6.7	6.7	* 5.5	* 9.0
02	163	3.0	13.9	*10.5	*17.5	141	3.7	5.0	* 6.8	*11.3	115	6.2	3.9	* 7.0	*12.5	95	5.5	5.7	* 5.5	* 9.0
03	162	4.0	11.2	10.5	17.5	139	5.5	5.0	* 6.5	*13.0	115	5.7	9.7	* 7.0	*12.0	94	4.7	10.2	* 7.0	*12.5
04	160	4.4	14.3	*10.0	*16.8	134	5.0	1.1	9.0	13.5	105	9.5	7.6	* 9.0	*15.0	78	9.2	13.7	* 9.0	*14.3
05	159	4.1	13.4	*11.0	*17.5	133	3.9	4.0	8.5	14.5	104	11.4	8.2	*10.3	*16.8	71	16.5	11.2	* 9.5	*15.0
06	159	4.7	19.0	*11.0	*17.3	131	5.5	4.7	9.5	14.0	104	10.9	8.0	*10.5	*17.3	69	14.0	9.3	* 5.0	* 8.3
07	159	4.9	9.0	12.5	18.5	131	3.9	4.8	* 9.0	*13.5	103	11.4	8.1	10.5	17.5	67	16.8	7.7	* 5.0	* 8.0
08	*158			*14.0	*21.0	130	3.1	5.1	*10.0	*15.0	99	6.6	13.1	*13.0	*20.5	* 64			* 5.0	* 7.3
09	*158			*11.5	*19.0	*129			9.5	14.0	* 98			* 7.5	*14.0	65	15.1	4.3	* 6.3	* 8.0
10	158	4.9	4.8	*11.3	*17.8	133	4.6	4.0	9.0	13.5	*102			* 9.3	*15.8	72	18.2	9.5	* 6.0	*10.5
11	161	5.1	2.1	*11.0	*17.5	*137			10.0	15.0	*111			*10.3	*18.0	* 80			*12.0	*20.0
12	166	3.5	8.2	10.0	16.3	142	5.9	5.8	9.0	14.0	*115			10.0	15.0	99	15.1	22.1	*11.8	*19.8
13	168	5.2	3.7	* 9.0	*14.3	144	9.0	3.4	9.5	13.0	125	7.4	11.6	* 9.5	*16.0	108	8.2	20.5	*12.5	*23.0
14	170	10.4	4.5	7.5	13.5	149	7.7	6.6	* 9.5	*14.0	127	8.0	13.5	8.8	15.3	110	9.2	22.7	* 9.5	*15.5
15	170	4.1	5.5	* 7.0	*11.5	148	5.0	8.5	9.0	13.5	129	7.0	15.9	* 9.0	*15.3	107	13.3	10.5	9.0	17.0
16	169	6.7	7.7	7.5	13.0	148	6.4	8.3	7.5	12.0	128	7.7	10.2	9.8	15.8	110	6.1	10.8	*11.0	*15.5
17	170	3.5	8.2	* 8.3	*13.8	148	6.1	9.1	* 8.0	*13.0	126	8.0	7.6	* 8.8	*14.0	106	11.6	8.5	*12.5	*21.5
18	168	4.0	3.6	8.0	14.0	147	6.0	6.6	9.5	14.5	127	5.7	12.4	8.5	14.0	105	12.4	16.9	9.5	17.0
19	167	3.8	3.5	8.5	14.0	147	4.0	7.3	* 8.5	*13.8	126	5.0	8.0	* 8.5	*13.3	104	4.6	9.0	* 7.5	*13.0
20	168	2.0	10.2	8.5	14.0	147	6.0	6.6	8.0	13.0	126	6.7	8.2	7.0	12.0	103	5.7	8.4	* 6.3	*10.5
21	168	2.0	10.7	9.0	15.0	146	5.1	5.5	8.5	13.5	123	8.2	7.3	* 6.5	*11.0	101	8.2	8.2	* 6.3	*10.8
22	166	4.0	6.2	* 9.0	*14.5	144	5.0	5.0	* 8.0	*11.8	122	6.0	7.0	* 6.8	*11.8	99	7.5	5.8	* 6.8	*10.3
23	165	3.7	6.5	* 8.8	*15.0	144	4.0	4.0	9.0	13.8	121	5.6	7.3	7.5	12.0	98	7.1	7.1	6.5	11.5

HR. LST	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	* 73			* 5.0	*10.0	* 63			* 5.0	* 8.0	* 46			* 3.5	* 8.5	* 22			* 1.5	* 4.0
01	* 73			* 3.8	* 8.5	* 62			* 3.3	* 7.3	* 43			* 5.5	* 8.0	* 22			* 2.8	* 3.5
02	* 71			* 4.5	* 9.5	* 62			* 4.0	* 8.0	* 42			* 6.0	*10.5	* 21			* 4.0	* 3.5
03	* 70			* 4.0	* 9.0	* 62			* 3.0	* 9.0	* 40			* 3.8	* 8.0	* 21			* 2.5	* 3.5
04	* 66			* 4.5	*10.0	* 58			* 5.0	*10.5	* 43			* 3.5	* 9.5	* 20			* 1.8	* 4.0
05	* 53			* 4.3	* 9.8	* 54			* 4.5	*11.0	* 43			* 2.5	* 7.5	* 21			* 1.5	* 3.5
06	* 46			* 2.5	* 6.0	* 48			* 5.0	* 9.5	* 43			* 2.5	* 7.5	* 21			* 1.0	* 3.5
07	* 46			* 1.8	* 4.8	* 44			* 5.5	* 9.5	* 40			* 3.0	* 8.0	* 21			* 1.5	* 4.5
08	* 44			* 2.0	* 4.5	* 41			* 3.3	* 7.3	* 38			* 2.0	* 7.5	* 22			* 2.0	* 4.5
09	* 44			* 1.3	* 4.0	* 39			* 1.0	* 4.0	* 35			* 3.3	* 7.0	* 20			* 1.0	* 4.5
10	* 46			* 1.0	* 3.0	* 38			* 2.0	* 4.5	* 35			* 1.5	* 5.8	* 22			* 3.0	* 6.3
11	* 46			* 4.0	* 6.5	* 39			* 2.0	* 5.0	* 39			* 4.0	* 7.3	* 25			* 3.5	* 5.5
12	* 61			* 3.5	* 6.0	* 51			* 5.0	* 8.0	* 42			* 5.5	*10.5	* 27			* 2.5	* 6.0
13	* 63			* 6.8	*12.8	* 49			* 5.5	*10.0	* 45			* 5.5	* 9.8	* 31			* 4.5	* 7.0
14	* 68			* 8.3	*15.8	* 52			* 7.5	*17.0	* 47			* 5.3	* 8.5	* 30			* 3.5	* 6.5
15	* 70			*10.8	*16.0	* 54			* 6.0	*13.0	* 47			* 3.8	* 8.0	* 30			* 4.0	* 8.0
16	* 68			* 8.5	*17.0	* 59			* 7.0	*12.0	* 49			* 3.8	* 6.8	* 30			* 4.0	* 6.5
17	* 67			* 9.0	*20.0	* 58			* 7.3	*12.8	* 50			* 4.0	* 7.5	* 28			* 3.5	* 7.3
18	* 66			* 6.8	*12.8	* 61			* 5.3	* 8.3	* 51			* 3.0	* 5.5	* 29			* 3.0	* 6.0
19	* 67			* 5.5	* 8.0	* 66			* 3.5	* 5.5	* 53			* 2.5	* 6.5	* 28			* 2.0	* 6.0
20	* 74			* 4.0	* 7.8	* 68			* 2.8	* 5.5	* 54			* 4.5	* 8.5	* 27			* 1.0	* 4.0
21	* 74			* 3.0	* 6.5	* 67			* 1.5	* 5.5	* 53			* 2.0	* 7.5	* 24			* 1.8	* 3.8
22	* 74			* 3.3	* 6.3	* 66			* 4.8	* 6.5	* 47			* 3.8	* 7.5	* 22			* 2.0	* 4.0
23	* 75			* 3.0	* 7.0	* 65			* 3.5	* 7.5	* 45			* 1.8	* 6.3	* 22			* 3.5	* 4.0

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

* Fewer than 7 days data on voltage and logorithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION BOULDER, COLORADO LAT. 40.1 N LONG. 105.1 W AUGUST 1966

HR. LST	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	166	2.0	5.0	*11.5	*18.5	141	4.1	4.9	* 7.5	*12.8	118	6.3	7.5	* 7.3	*14.3	98	7.1	5.1	* 6.0	*13.0
01	164	4.0	4.0	*11.0	*18.5	139	5.0	4.8	6.5	13.0	117	7.0	7.0	* 8.0	*15.5	98	6.9	5.7	* 4.5	*11.0
02	163	4.4	4.4	*10.3	*17.3	139	5.6	5.3	* 7.3	*12.3	116	9.3	4.8	* 7.0	*15.0	98	7.0	5.8	5.0	11.0
03	164	4.1	4.0	*11.5	*18.8	138	6.1	3.0	* 7.5	*13.0	117	8.9	5.1	* 6.8	*13.8	97	7.3	6.4	6.5	13.5
04	162	5.0	6.9	*11.5	*19.5	136	8.9	2.9	* 8.5	*15.5	113	11.8	5.0	* 9.5	*18.3	89	10.3	11.1		
05	161	3.9	4.1	*10.3	*18.5	134	7.2	6.0	* 9.8	*16.0	107	15.3	17.4	*11.0	*19.5	72	24.7	10.0	* 5.3	* 8.3
06	161	2.0	2.4	*11.0	*19.0	132	6.1	5.0	* 9.5	*14.5	106	13.5	23.1	*10.0	*19.3	70	24.3	9.0	* 4.0	* 7.0
07	161	1.0	4.1	*12.0	*20.0	131	7.1	4.4	10.0	15.5	105	13.5	25.7	*10.3	*17.3	69	23.1	6.1	* 3.5	* 7.5
08	161	1.0	7.5	*12.0	*20.5	131	6.2	4.1	* 9.5	*15.5	106	13.3	19.1	* 9.8	*16.5	71	19.3	10.0	* 7.0	*11.5
09	160	3.6	2.6	*12.8	*20.8	130	5.6	3.9	*10.3	*16.3	103	18.3	20.6	* 9.0	*17.0	71	21.2	6.3	* 4.3	* 7.5
10	161	4.3	4.0	12.3	20.0	134	4.0	5.7	8.5	14.3	104	13.5	17.7	* 9.3	*17.0	72	21.7	8.1	* 2.5	* 5.5
11	162	4.5	4.5	11.0	18.0	136	6.9	5.8	* 7.8	*13.3	110	13.1	8.3	* 7.3	*13.5	76	23.4	11.1	* 5.8	*10.5
12	166	3.5	5.5	9.0	16.5	138	7.7	6.3	8.3	13.3	110	15.0	18.0	* 8.8	*15.8	92	24.9	25.0	*10.0	*16.5
13	168	3.1	6.6	9.0	16.0	139	9.3	6.3	* 6.5	*11.8	118	11.0	21.0	* 6.5	*12.0	99	12.5	29.0	* 9.5	*19.5
14	169	1.7	6.7	* 7.5	*13.8	141	10.5	8.0	5.5	10.5	121	10.1	22.8	9.0	16.3	101	12.5	31.2	*11.0	*18.5
15	169	2.0	5.1	* 6.8	*12.8	144	5.0	9.0	7.5	13.0	122	9.0	20.4	* 8.5	*16.0	106	6.5	27.4	* 9.8	*19.3
16	169	2.9	7.7	* 7.3	*13.5	143	5.1	7.6	7.0	12.5	123	10.0	17.4	8.0	16.0	102	14.7	32.4	* 8.8	*16.5
17	170	2.0	6.3	* 8.0	*14.5	143	7.1	6.0	6.5	12.0	123	8.0	16.7	6.8	13.0	100	12.3	32.1	7.0	12.5
18	167	3.5	6.0	* 7.8	*14.3	142	7.2	7.0	7.0	13.0	125	6.1	16.6	6.5	12.5	102	10.6	22.0	* 6.0	*12.0
19	167	2.9	6.4	* 7.8	*14.0	143	7.3	11.4	6.5	11.5	120	10.6	9.9	* 5.8	*11.0	99	12.1	7.1	4.0	8.0
20	167	4.9	4.9	* 9.3	*16.3	143	6.0	7.7	7.5	12.5	121	8.1	9.8	7.5	14.0	100	8.9	5.0	5.0	10.5
21	168	2.0	6.0	10.5	18.0	143	4.3	8.0	7.5	13.0	121	9.9	9.6	* 7.0	*13.5	99	8.5	5.4	5.0	11.0
22	166	2.9	4.9	11.0	19.0	141	6.0	5.1	* 6.3	*12.0	121	7.9	9.1	8.0	15.5	100	6.9	5.1	6.5	13.0
23	166	3.0	5.0	11.5	19.0	141	5.7	4.9	* 7.5	*13.3	119	7.3	7.3	* 7.0	*14.0	99	5.8	5.8	* 5.5	*12.5

HR. LST	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	71	5.6	7.0	4.5	9.0	62	3.0	5.0	4.8	9.5	47	5.2	4.0	5.0	8.5	20	1.0	1.0	1.8	4.0
01	69	6.5	5.4	5.0	10.0	61	4.0	4.0	5.0	9.5	46	6.0	6.5	5.0	8.3	20	1.2	1.0	1.8	3.3
02	71	3.9	7.0	5.0	10.0	60	3.3	3.5	4.5	9.0	44	5.5	4.7	5.5	9.5	19	2.0	0.0	2.0	3.5
03	70	5.7	8.0	5.0	10.5	60	4.0	3.0	4.0	8.0	43	7.9	7.9	5.0	8.5	19	2.0	1.0	1.5	3.5
04	69	5.9	7.1	5.0	10.3	58	4.6	2.0	5.0	10.0	45	3.4	4.3	4.8	7.8	19	2.0	1.0	1.5	3.5
05	64	5.1	11.9	5.5	11.0	54	5.0	4.0	5.5	11.0	45	2.6	5.6	4.8	8.5	19	4.4	1.0	2.3	4.5
06	55	9.4	7.9	4.0	7.3	49	8.1	8.1	5.5	9.5	45	5.0	4.0	5.0	8.5	20	5.5	1.2	3.0	4.5
07	53	3.7	8.0	3.0	6.5	43	10.5	5.0	4.8	8.5	42	6.0	3.1	4.3	7.5	21	4.0	2.0	2.8	5.5
08	53	3.0	5.9	3.5	7.5	41	8.4	6.0	3.5	6.5	40	7.0	4.7	5.0	8.5	21	8.8	1.9	* 2.8	* 4.8
09	50	5.3	4.0	2.8	5.3	38	8.1	2.0	3.0	5.5	38	6.0	7.0	4.5	7.0	20	6.2	1.0	2.8	4.8
10	52	3.5	6.9	2.0	4.5	38	4.0	2.0	2.5	4.5	37	5.3	5.7	5.0	8.0	21	4.5	2.0	2.5	4.8
11	53	4.6	6.6	2.0	4.5	38	11.0	2.5	2.5	5.0	41	3.0	9.0	3.5	7.0	22	4.4	1.9	3.3	5.8
12	55	7.7	6.7	2.0	5.5	40	13.0	3.7	2.3	4.3	42	5.2	8.7	4.8	8.0	23	12.3	3.5	2.5	5.0
13	57	13.4	8.9	* 2.3	* 5.3	46	15.2	9.2	3.5	6.0	45	6.2	5.5	4.5	8.5	25	5.4	4.4	3.3	6.3
14	58	14.7	7.7	3.5	6.8	49	14.3	11.1	3.5	6.5	47	8.4	5.2	4.0	8.0	26	10.7	3.2	3.5	6.5
15	60	15.0	5.5	4.8	9.0	52	12.1	14.1	5.0	10.5	50	5.0	5.2	4.0	8.0	26	7.3	3.7	3.5	6.5
16	59	15.7	5.0	5.0	9.0	55	5.7	10.2	5.0	9.0	51	2.1	3.9	4.0	7.5	27	11.4	3.1	4.3	8.0
17	65	11.3	10.0	4.0	7.5	57	7.2	7.2	4.0	8.0	52	5.0	3.0	3.5	7.0	26	10.0	3.0	3.8	6.8
18	64	13.7	10.4	4.0	7.0	61	4.5	3.5	4.0	7.5	54	5.4	3.1	4.0	7.5	26	7.6	4.5	3.3	6.0
19	71	7.6	5.6	3.5	7.5	65	4.1	6.0	3.5	7.0	55	4.7	2.7	3.5	7.5	23	5.9	3.5	3.8	6.3
20	73	5.1	7.3	4.0	7.8	65	3.0	6.0	4.3	8.0	53	2.5	4.4	3.3	6.8	21	8.0	1.0	2.0	4.0
21	75	3.9	9.0	4.0	8.0	65	2.8	6.1	4.3	8.5	52	3.7	2.3	3.5	7.0	21	5.5	1.0	1.5	3.5
22	74	3.0	8.0	4.5	9.0	64	3.0	5.0	4.3	8.8	51	5.2	3.7	3.3	6.3	21	2.3	1.3	2.5	4.0
23	73	3.0	7.8	4.5	9.0	64	2.8	6.0	4.5	9.0	47	6.2	4.0	4.8	8.0	20	3.5	1.5	2.0	4.0

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

* Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION COOK, AUSTRALIA LAT. 30.6 S LONG. 130.4 E JUNE 1966

HR. GMT	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	156	3.0	3.0	8.0	12.5	129	2.0	7.3	9.0	14.0	104	7.3	8.0	8.0	12.0	85	7.8	4.0	* 5.8	*10.0
01	157	2.0	4.0	7.5	11.8	129	4.0	7.3	8.8	12.8	104	6.0	9.3	7.0	11.5	85	10.6	5.3	7.5	12.5
02	157	2.0	4.0	7.5	12.0	129	3.3	5.3	9.5	14.5	104	7.3	6.0	7.0	12.5	85	10.0	5.3	7.5	13.5
03	157	2.0	3.3	7.5	11.8	129	5.3	5.3	9.0	13.0	104	6.6	6.0	8.0	12.5	85	7.3	6.0	6.5	11.8
04	157	2.0	4.0	8.0	12.5	129	5.3	4.0	9.0	14.5	104	6.0	4.0	6.5	11.0	84	8.3	5.0	7.5	12.5
05	157	2.0	3.3	8.0	12.8	129	5.3	5.3	8.5	13.3	104	6.0	5.3	8.0	13.3	81	12.6	4.0	6.5	10.8
06	157	2.0	4.0	8.0	12.5	127	6.0	3.3	9.5	15.0	102	5.3	5.3	8.0	13.3	75	15.3	8.0	* 9.5	*16.5
07	155	4.0	2.0	8.5	13.0	119	4.0	5.5	8.8	13.8	78	15.5	6.0	* 7.5	*10.5	55	19.0	12.0	* 9.0	*19.0
08	151	4.1	2.1	8.5	13.0	114	6.6	5.1	10.3	16.0	65	23.5	5.0	* 6.0	* 8.5	51	18.1	10.0	* 6.8	*12.5
09	151	4.1	2.0	8.0	13.5	109	8.1	4.2	10.0	15.0	64	20.2	6.0	* 4.5	* 7.5	47	23.9	6.0	4.8	6.5
10	152	4.9	3.2	10.5	16.5	109	10.2	4.2	11.5	17.5	66	27.0	6.0	* 5.0	* 8.5	54	17.0	13.0	* 9.5	*20.0
11	153	2.1	4.1	10.5	17.5	111	7.7	6.0	11.5	17.5	68	23.5	7.5	* 6.0	* 9.0	55	15.5	12.0	* 9.0	*17.5
12	151	4.0	4.0	12.0	18.0	111	8.0	5.3	14.8	22.0	68	17.4	6.0	* 6.3	*11.5	* 59			* 7.5	*16.3
13	*151			*11.5	*17.0	*111			*13.8	*20.3	68	18.6	4.0	* 7.0	*10.0	57	13.8	16.0	* 3.0	* 4.5
14	153	2.3	2.3	12.0	18.5	111	8.4	3.7	11.0	17.8	69	8.9	7.2	* 6.5	*10.5	61	13.6	18.1	7.5	17.0
15	153	4.0	4.0	10.3	16.8	111	13.3	2.1	10.0	16.5	70	11.1	8.3	* 9.0	*12.5	63	11.9	21.7	* 8.3	*18.3
16	153	4.0	4.0	8.8	14.5	111	12.0	4.0	10.0	16.3	72	22.3	6.0	*10.0	*13.5	61	19.6	13.7	*10.0	*20.5
17	153	2.1	4.0	9.0	14.5	113	14.4	8.0	11.5	18.0	86	24.5	12.0	*16.0	*26.5	69	20.6	6.0	13.0	21.5
18	153	3.3	3.3	8.8	13.8	117	12.0	7.3	15.5	25.5	94	16.6	11.3	16.5	25.5	77	11.3	8.0	* 9.8	*16.5
19	155	2.0	4.0	9.3	14.3	123	4.0	8.0	11.8	19.5	96	11.8	7.3	*11.3	*20.0	78	14.3	5.0	10.0	14.0
20	155	4.0	2.0	9.0	14.0	125	5.3	6.0	9.5	15.8	99	12.1	6.3	11.3	19.0	83	11.8	7.3	7.8	13.5
21	156	3.0	3.0	8.5	13.0	125	5.3	4.0	10.0	16.0	100	11.8	7.3	10.0	15.5	85	8.0	8.0	7.8	12.3
22	156	3.0	3.0	9.0	13.5	127	6.0	6.0	8.5	13.0	102	10.6	8.0	7.8	13.5	84	11.6	5.0	5.8	9.8
23	155	4.0	2.0	7.5	11.5	127	5.3	6.0	9.0	14.0	103	9.0	7.0	9.0	14.0	85	9.3	6.0	* 6.5	*10.0

HR. GMT	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	58	9.0	5.5	5.5	10.5	54	2.0	4.0	4.5	7.5	53	5.5	4.0	5.3	8.3	23	0.0	0.0	* 2.5	* 4.0
01	58	6.6	4.0	5.5	10.0	51	5.6	3.0	5.5	9.0	53	3.3	4.0	5.3	7.5	23	0.0	0.0	* 4.5	* 6.0
02	58	8.0	4.0	6.0	9.5	51	3.0	3.0	5.5	8.5	52	3.0	3.0	5.0	7.5	23	0.0	0.0	* 7.0	*10.0
03	56	11.3	3.3	5.5	9.8	50	6.0	2.0	4.8	7.8	51	3.3	4.0	3.5	5.8	23	0.0	0.0		
04	56	11.3	4.0	* 7.8	*12.3	50	7.3	3.3	5.5	8.0	49	4.0	2.0	5.5	7.5	23	0.0	0.0		
05	56	11.3	4.0	* 6.3	10.5	50	9.3	2.0	4.8	7.8	49	4.0	4.0	6.0	9.3	23	0.0	0.0		
06	54	13.3	4.0	5.0	8.5	50	4.0	4.0	5.0	7.5	47	6.0	2.0	4.0	6.0	23	1.3	1.3	* 2.5	* 3.5
07	48	16.4	3.5	* 5.0	* 8.0	46	7.5	2.0	* 5.5	* 9.0	49	4.0	3.3	6.0	8.5	23	6.0	2.0	* 2.5	* 4.0
08	30	10.0	6.0	* 8.5	*13.3	36	5.7	8.0	* 7.5	*10.5	45	6.0	2.0	3.8	5.8	23	4.1	2.0	* 2.5	* 3.8
09	30	9.5	10.0	* 9.5	*12.0	24	15.9	6.0	*16.0	*24.0	42	7.2	3.0	* 3.0	* 5.0	23	3.9	2.0	2.5	4.5
10	24	12.0	4.0	* 9.3	*11.8	28	14.3	10.6	* 5.5	* 9.5	39	8.1	2.0	* 2.8	* 4.8	23	2.2	2.0	* 3.0	* 4.5
11	22	13.9	2.0	* 6.8	* 9.0	22	15.7	6.1	* 9.5	*12.0	37	7.9	2.0	* 5.5	* 7.8	23	2.0	2.0	* 2.5	* 4.0
12	24	6.0	4.0	* 6.5	* 8.5	22	13.3	6.0	* 8.0	*12.5	37	12.4	0.0	*11.5	*17.3	* 23				
13	* 24			*10.0	*15.0	* 22			*17.5	*26.0	37	8.3	2.0	* 4.5	* 6.5	23	4.0	2.0		
14	26	8.9	4.0	*10.0	*14.5	20	19.0	2.0	* 7.0	* 9.3	39	7.9	2.0	3.5	5.3	23	3.7	0.1	* 3.5	* 5.5
15	26	14.1	5.9	* 7.5	*12.5	28	15.1	7.7	* 6.5	* 9.5	47	2.1	4.0	3.5	5.5	23	4.1	0.0	* 3.0	* 4.0
16	29	14.3	3.0	* 6.8	* 9.5	32	8.3	6.0	* 5.0	* 8.3	51	2.1	4.0	* 5.0	* 8.0	23	4.0	0.0	* 2.8	* 4.5
17	40	14.0	6.3	* 7.5	*11.0	42	6.1	5.7	5.5	8.5	51	5.3	4.0	* 4.8	* 7.5	23	2.0	0.0	* 2.8	* 4.0
18	48	14.0	7.3	8.8	13.3	46	7.3	4.0	6.0	10.0	51	4.0	4.0	4.0	6.5	23	1.5	2.0		
19	52	10.0	6.0	7.5	12.5	48	6.1	2.1	* 4.8	* 8.0	51	4.0	3.5	4.0	6.3	23	0.0	0.0		
20	55	10.3	6.3	* 6.5	*10.5	50	5.3	4.0	3.0	5.5	51	4.0	3.3	3.8	6.0	23	0.0	0.0		
21	56	9.5	4.0	5.3	9.0	50	4.0	3.5	4.5	6.5	51	4.0	2.0	3.5	5.8	23	0.0	1.5		
22	57	8.3	5.0	5.5	9.5	52	4.0	3.3	5.5	8.5	53	3.3	3.3	3.5	5.5	23	0.0	2.0	* 3.0	* 3.0
23	58	7.5	4.0	4.8	8.8	52	4.0	2.0	4.5	7.5	53	2.0	4.0	3.5	6.5	23	0.0	0.0		

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

* Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION COOK, AUSTRALIA LAT. 30.6 S LONG. 130.4 E JULY 1966

HR. LST	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	2.0	2.0	7.5	11.5	123	5.5	3.5	7.5	12.5	99	2.0	6.0	8.5	13.5	82	5.6	3.7	5.5	9.5
01	153	4.0	0.0	7.0	12.0	125	2.0	4.0	9.0	13.0	99	2.1	4.0	8.8	14.0	82	3.9	4.0	5.8	10.5
02	155	0.0	2.0	7.3	12.0	125	4.0	2.0	8.3	12.8	99	4.0	2.0	7.3	11.8	80	6.9	2.0	7.5	13.5
03	155			8.0	12.5	125	4.0	1.3	8.5	13.5	99	4.0	2.0	* 7.0	*12.8	80	4.0	2.1	7.0	12.8
04	155	0.0	2.0	8.3	13.0	125	4.0	2.0	9.0	14.5	99	3.3	4.0	9.0	16.0	79	3.1	3.0	8.3	14.5
05	155			8.0	13.0	125	6.0	2.0	10.5	16.0	99	3.6	3.7	9.5	16.5	76	5.6	4.0	* 7.5	*14.5
06	155	1.3	2.0	8.5	13.5	125	4.1	2.1	10.8	16.5	97	4.5	4.5	* 9.8	*14.0	68	8.0	6.1	*11.0	*18.0
07	154	1.0	1.0	7.5	12.0	117	4.1	2.0	10.0	15.3	73	6.3	6.0	*10.0	*14.8	44	12.3	4.0	* 3.5	* 5.3
08	151	0.1	2.1	8.5	13.0	111	6.0	2.5	10.5	16.5	58	14.5	3.9	* 7.8	*10.0	40	9.4	0.0	* 2.5	* 4.5
09	149	2.2	2.0	9.0	14.0	107	6.7	6.0	12.5	18.5	59	24.4	5.5	*10.5	*12.5	40	13.8	0.0	* 6.5	* 4.0
10	151	2.0	4.0	10.0	16.0	109	6.0	10.0	14.5	21.0	61	14.6	6.0	* 2.5	* 4.0	43	18.3	3.0	* 3.5	* 5.5
11	149	4.0	4.0	12.5	18.0	109	8.0	6.0	15.5	23.5	60	13.0	5.0	*15.0	*23.0	42	5.4	2.0	* 4.0	* 6.0
12	148	4.6	3.1	12.5	19.0	106	9.1	4.9	15.5	23.5	59	11.9	3.7	* 4.5	* 6.5	42	7.5	3.5	* 6.5	* 9.3
13	149	3.2	3.0	*12.0	*18.5	109	2.8	4.3	*13.5	*21.0	59	15.1	4.0	* 9.5	*13.0	41	8.2	1.0	* 3.5	* 5.0
14	149	2.3	2.0	12.5	19.0	107	6.1	3.9	12.5	20.5	59	12.2	4.0	* 5.5	* 7.5	42	8.1	2.0	* 3.0	* 4.5
15	149	2.0	2.0	10.0	17.0	108	6.9	3.1	11.0	18.0	59	19.4	4.0	* 3.5	* 5.0	43	16.5	3.0	* 3.0	* 6.0
16	149	2.7	0.7	9.5	15.5	107	10.0	4.2	*10.0	*17.0	64	19.3	7.2	* 5.3	* 7.3	48	12.3	6.3	* 9.5	*12.0
17	149	3.7	2.0	8.8	14.8	105	10.3	4.0	9.0	14.0	77	18.1	12.1	*15.0	*23.8	56	16.0	9.9	*10.3	*15.8
18	149	5.1	2.0	8.0	13.5	111	9.9	6.0	13.0	19.8	83	15.6	6.1	*13.5	*23.0	70	9.6	6.5	* 5.5	*11.0
19	152	3.1	3.0	8.5	13.5	117	7.5	5.5	12.0	18.5	89	10.6	4.0	9.8	17.0	75	6.7	6.1	* 4.0	* 7.5
20	153	3.5	2.0	8.5	12.5	121	4.0	4.0	10.0	16.5	95	5.5	4.0	8.5	15.0	76	10.0	3.0	* 4.3	* 8.0
21	153	3.3	2.0	8.0	13.5	121	7.6	2.0	9.8	16.0	95	7.5	4.0	8.3	15.0	80	8.0	4.0	* 5.0	* 8.8
22	153	2.0	2.0	7.5	12.0	123	4.0	4.0	9.3	15.0	97	5.3	4.0	7.5	14.0	80	8.0	2.0	5.0	9.5
23	153	2.0	2.0	7.3	11.8	123	4.0	4.0	8.5	14.3	97	4.3	4.0	7.5	13.5	80	5.6	2.0	* 5.5	* 7.8

HR. LST	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	56	6.0	2.0	5.0	8.0	51	4.0	2.0	4.0	7.0	41	3.0	5.0	* 5.0	* 7.5	22	0.0	0.0	* 2.5	* 4.0
01	56	6.1	3.9	5.5	9.0	51	3.1	4.0	5.5	8.5	40	6.0	2.0	* 5.3	* 8.3	22	0.0	0.0		
02	56	3.9	3.7	4.5	8.5	49	8.0	2.0	4.0	6.5	40	8.1	4.1	* 6.0	*10.8	22	2.0	0.0		
03	56	7.3	4.0	5.8	9.0	49	6.0	2.0	4.0	7.3	39	10.8	3.0	* 4.8	* 9.0	22	2.0	0.0	* 2.5	* 3.5
04	54	4.0	4.0	5.0	8.5	49	7.5	2.0	4.5	7.0	38	7.3	4.0	* 4.8	* 7.5	22	2.0	0.0		
05	54	4.0	5.7	5.3	9.3	49	6.1	2.0	5.0	7.5	38	4.1	6.1	* 4.0	* 6.5	22	0.0	0.0		
06	52	5.5	4.0	7.0	11.3	49	9.1	4.0	4.5	7.0	38	7.0	6.0	* 4.0	* 6.5	22	2.0	0.0	* 2.5	* 4.0
07	47	7.1	4.6	* 5.0	* 8.5	47	17.5	2.1	* 4.0	* 7.5	40	6.6	4.3			22	0.0	0.0	* 4.0	* 5.5
08	26	11.1	2.3	* 5.5	* 7.5	31	17.4	4.7	* 3.5	* 5.5	34	8.5	4.0	* 3.5	* 5.5	22	2.0	0.7	* 3.0	* 5.0
09	24	16.5	4.0	* 4.5	*10.8	25	13.4	6.0	* 7.0	* 9.5	28	10.9	2.9	* 3.5	* 5.5	22	2.0	2.0		
10	22	10.3	2.0	* 5.5	* 7.5	23	10.1	4.7	* 7.8	*12.3	26	8.9	2.0	* 4.0	* 5.5	22	2.0	2.0	* 3.0	* 4.8
11	24	9.4	4.0	7.5	12.0	21	10.0	6.0	* 7.5	*10.0	26	7.7	4.0	* 3.5	* 5.0	20	4.0	0.0	* 2.5	* 4.3
12	24	4.0	4.0	* 6.5	* 8.5	19	6.3	5.7	* 8.5	*10.0	24	6.2	2.0	* 3.3	* 5.3	22	2.0	2.0		
13	20	19.4	0.0	* 6.5	* 9.0	21	4.7	6.1			26	8.9	2.0	4.0	6.0	22	2.0	0.0	* 2.8	* 4.3
14	24	11.9	4.0	* 7.3	*11.5	21	6.0	6.0	* 8.5	*11.0	28	2.3	2.3	* 4.3	* 6.0	24	2.0	2.0	* 4.8	* 7.0
15	26	12.8	6.0	* 7.5	*10.0	25	4.5	8.0	* 9.3	*13.8	32	4.3	2.0	5.0	7.5	23	2.3	2.3	* 2.5	* 4.5
16	28	14.0	6.0	* 7.8	*10.8	29	5.4	6.0	* 6.0	*10.0	38	2.3	2.3	4.8	7.5	24	0.1	2.0	* 2.5	* 4.5
17	34	14.5	5.0	* 7.0	*13.0	43	6.0	6.3	4.5	8.5	40	4.0	4.0	5.5	8.5	24	2.0	2.0		
18	44	11.7	4.1	* 7.3	*11.5	45	6.0	4.0	5.5	8.5	40	5.8	2.1	6.0	9.0	22	2.0	0.0	* 3.3	* 5.0
19	49	8.3	6.3	7.5	11.0	47	7.5	4.0	5.8	8.3	39	3.0	3.0	3.8	6.3	22	2.0	0.0	* 2.8	* 4.3
20	52	5.9	5.9	5.5	11.0	49	5.5	3.5	3.5	6.0	38	15.2	2.1	4.0	6.8	22	0.0	0.0		
21	56	6.6	6.0	5.5	9.5	51	5.3	4.0	4.0	7.0	40	7.7	2.1	3.0	5.0	22	0.0	0.0		
22	56	5.5	3.5	5.0	7.5	53	2.0	4.0	3.0	6.0	40	15.9	3.5	3.3	5.3	22	0.0	0.0		
23	56	8.0	4.0	4.5	7.8	53	3.1	4.0	* 4.5	* 5.8	40	4.0	4.0	5.0	7.5	22	0.0	0.0		

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

* Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION COOK, AUSTRALIA LAT. 30.6 S LONG. 130.4 E AUGUST 1966

HR. GMT	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	3.1	3.1	6.5	10.5	123	7.1	4.0	8.8	13.8	100	9.1	6.0	7.3	13.0	81	12.0	4.0	6.0	10.5
01	153	3.1	2.0	7.0	11.5	123	8.0	2.0	8.0	12.5	100	8.2	5.1	9.0	14.5	81	10.0	4.0	6.8	11.3
02	153	2.0	1.1	6.5	10.5	125	3.1	3.1	8.0	12.5	100	8.0	6.0	7.0	12.3	81	10.2	4.0	7.3	12.3
03	153	2.0	2.0	8.0	12.5	125	4.0	2.0	8.0	12.3	99	5.0	6.3	7.5	12.5	79	10.0	4.0	6.5	10.5
04	153	2.0	2.0	7.5	12.5	125	4.0	4.0	8.0	12.5	98	7.1	7.1	7.5	12.5	79	10.0	6.0	7.3	12.0
05	153	2.0	2.0	8.0	13.0	125	2.0	3.1	8.0	12.5	98	4.0	6.0	8.8	13.3	73	12.0	8.2	8.0	12.0
06	153	2.0	2.0	8.0	13.0	123	4.0	3.1	8.5	13.8	92	5.1	4.0	9.0	14.5	61	9.1	9.1	* 4.3	* 7.5
07	153	0.0	4.0	8.0	13.0	117	4.0	5.3	8.5	14.0	69	18.1	6.3	*14.5	*25.5	45	6.0	4.0	* 6.0	* 9.5
08	149	2.0	2.0	8.8	13.8	111	6.0	5.3	9.0	14.0	60	27.3	4.0	* 3.5	* 5.0	45	11.0	4.0	* 3.5	* 5.3
09	149	2.2	2.2	9.3	14.8	107	10.4	6.2	10.5	16.5	60	30.0	4.3	*20.0	*30.0	47	8.6	6.0	* 7.8	* 9.0
10	149	3.9	2.0	10.5	16.0	107	10.6	6.0	14.3	21.5	64	21.5	8.0	3.5	5.0	47	4.2	6.0	* 4.5	* 5.8
11	147	4.2	2.0	11.0	17.3	109	13.7	7.7	14.0	21.5	65	25.9	9.0	*10.0	*20.0	47	7.7	5.9	* 2.5	* 9.5
12	147	2.1	4.0	11.5	18.0	107	13.8	4.0	12.5	21.5	65	31.0	7.0	* 4.5	* 6.0	47	7.7	5.7	* 6.5	* 9.0
13	149	2.8	4.3	*11.5	*18.5	*109			*13.5	*22.0	68	29.3	10.0	*12.5	*24.0	47	18.2	6.0	* 6.8	*10.8
14	149	6.0	4.0	11.5	18.0	111	13.0	6.0	11.0	19.5	66	35.0	9.5	8.0	11.0	47	21.5	4.0	* 6.5	* 8.0
15	149	7.3	3.3	10.0	16.0	111	14.6	6.0	10.0	16.0	68	34.0	11.3	8.3	13.5	49	19.3	8.0	5.5	8.0
16	151	4.1	2.0	9.5	15.0	112	13.1	5.1	9.8	15.5	74	27.7	16.0	9.5	16.0	49	18.1	6.1	* 9.0	*14.5
17	151	2.0	2.0	8.0	13.0	110	13.0	5.0	10.0	15.8	82	18.0	18.0	*10.0	*19.5	57	20.0	12.0	7.5	13.0
18	149	4.0	2.0	8.5	14.0	115	9.5	9.5	11.5	17.5	91	14.8	11.0	13.3	22.5	75	6.0	13.5	* 7.5	*17.5
19	151	4.0	2.0	8.3	13.3	119	8.6	7.3	11.0	17.8	95	12.3	7.0	9.0	17.5	79	10.2	10.0	6.0	14.5
20	153	3.1	2.0	9.0	14.0	123	6.0	5.1	8.8	16.0	98	12.0	6.0	8.5	16.0	79	15.1	7.1	7.5	13.5
21	153	3.1	2.0	8.0	12.5	123	7.3	4.0	9.0	16.0	98	12.2	6.0	8.0	15.3	81	12.2	6.0	6.0	11.5
22	153	4.0	3.1	8.0	12.5	123	9.1	4.0	10.0	16.0	100	7.1	7.1	9.0	15.5	83	9.1	8.0	7.5	14.0
23	153	2.0	4.0	7.5	12.0	123	7.1	4.0	9.8	16.5	100	10.2	6.0	8.5	13.5	83	10.2	6.0	6.5	12.0

HR. GMT	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	56	10.0	4.0	5.0	8.5	53	4.0	4.0	* 4.3	* 7.3	40	7.1	4.0	7.0	11.5	23	2.0	1.1		
01	56	11.1	6.0	5.0	8.5	49	8.0	4.0	4.0	7.5	40	7.1	3.1	* 6.8	*12.5	23	0.0	2.0	* 3.0	* 3.8
02	54	11.1	4.0	* 4.3	* 7.5	47	8.0	2.0	4.0	6.5	39	7.0	3.0	* 5.0	* 9.5	23	0.0	2.0		
03	54	10.0	4.0	4.5	7.3	49	6.0	2.0	4.0	6.8	40	4.0	4.0	* 5.3	* 9.3	23	0.0	2.0		
04	54	10.0	5.1	5.0	7.5	49	6.0	2.0	4.0	7.0	38	6.0	6.0	6.5	10.0	21	2.0	0.0		
05	52	10.0	4.0	5.5	9.0	49	6.0	2.0	* 4.0	* 7.0	36	6.0	4.0	5.5	8.5	22	1.0	1.0		
06	50	12.0	4.0	5.5	9.0	47	5.1	2.0	5.0	8.5	36	6.0	4.0	* 6.5	*10.5	23	0.0	2.0	* 3.0	* 5.0
07	38	9.1	6.2	* 5.0	* 7.3	42	5.0	5.0	* 3.8	* 6.0	40	4.0	4.0	5.0	8.3	23	0.0	2.0	* 3.3	* 5.5
08	27	14.8	6.3			27	12.6	6.0	* 5.6	* 7.8	32	6.0	4.0	3.5	6.0	23	2.0	2.0	* 4.5	* 4.8
09	26	14.0	5.7	* 5.5	* 7.5	22	13.0	3.0	*17.5	*24.0	30	8.0	6.0	* 2.8	* 5.0	23	0.8	2.0	* 3.5	* 5.3
10	25	9.5	5.0	* 5.8	* 7.8	21	12.3	4.0	* 6.5	* 9.5	25	9.0	3.0	* 6.5	* 8.5	21	3.7	0.0	* 2.5	* 4.0
11	24	5.3	4.0	* 5.5	* 8.0	21	13.4	4.0	*10.8	*14.3	24	7.7	2.0	* 3.5	* 5.5	21	3.5	1.5	* 2.5	* 4.0
12	22	7.5	2.0	* 5.5	* 7.0	21	11.0	5.5	* 8.0	*10.3	25	7.9	3.0	* 2.5	* 4.0	23	21.4	2.2	* 2.5	* 4.0
13	22	2.3	2.0	* 6.0	* 8.0	* 19			* 9.5	*11.5	27	9.0	5.0	* 6.8	* 9.3	27	19.4	4.0	* 4.3	* 5.8
14	24	8.3	2.0	* 6.3	* 8.8	24	13.2	6.9	* 6.5	* 8.0	28	12.0	2.0	6.5	8.3	27	18.4	4.0	* 3.5	* 5.5
15	25	10.8	3.0	* 8.8	*12.3	24	16.8	7.0	* 7.5	*10.5	32	9.5	4.0	6.0	8.0	25	19.3	2.0	* 3.0	* 4.3
16	29	12.4	7.0	* 7.5	*10.3	30	13.2	8.6	* 8.5	*11.0	36	8.1	2.0	6.5	10.0	25	3.6	2.0	* 2.5	* 3.8
17	36	17.0	10.0	* 8.8	*13.8	41	7.3	4.0	8.5	12.3	38	9.3	2.0	5.5	9.0	25	10.0	2.0	* 2.5	* 4.5
18	46	15.4	7.7	* 7.3	*11.3	47	9.0	6.0	* 6.0	* 9.5	38	7.3	2.0	4.5	7.0	25	13.3	2.0	* 4.0	* 5.5
19	50	13.5	6.0	*10.0	*16.5	49	7.3	2.0	* 7.5	*11.8	40	5.1	2.0	3.5	5.5	23	2.0	0.0	* 2.5	* 2.5
20	54	12.6	7.3	6.0	9.0	53	5.1	6.0	4.3	6.5	40	6.0	2.0	* 5.3	* 8.0	23	1.1	2.0	* 2.5	* 4.0
21	56	11.1	8.0	6.0	9.5	51	6.0	4.0	3.0	5.0	42	6.0	3.3	* 3.3	* 5.3	23	0.0	1.1	* 2.5	* 3.8
22	54	12.0	5.1	6.0	10.0	51	7.1	2.0	4.0	6.0	42	2.0	4.0	4.8	8.0	23	0.0	2.0		
23	56	12.0	6.0	* 5.0	* 8.0	53	5.1	4.0	3.5	5.0	42	2.0	6.0	5.0	8.3	23	1.1	2.0	* 2.5	* 4.0

* Fewer than 15 days data on power measurements and no computatians made for D_u and D_ℓ.

* Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION ENKOPING, SWEDEN LAT. 59.5 N LONG. 17.3 E JUNE 1966

HR. GMT	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	4.7	4.0	8.8	14.5	129	2.0	10.7	9.0	17.0	110	2.0	7.8	* 5.0	* 8.5	81	6.0	12.0	* 7.8	*13.8
01	153	4.7	4.0	10.5	16.8	125	6.0	8.0	11.0	19.0	*108			* 5.8	*11.3	74	10.3	8.3	* 7.0	*12.0
02	153	4.0	4.0	9.5	16.5	123	2.7	8.0	* 9.5	*15.8	*106			* 5.0	*10.0	61	6.2	2.0	* 3.5	* 5.5
03	152	3.0	3.9	10.5	16.0	121	2.0	8.6	11.0	17.8	88	4.4	10.0	* 6.3	*11.0	55	11.0	6.1	* 2.5	* 6.0
04	149	4.9	2.9	9.5	17.0	119	4.0	11.8	13.0	17.5	80	10.3	8.4	* 4.5	* 6.5	53	11.4	4.0	* 3.5	* 6.0
05	148	5.9	3.0	11.0	17.0	119	6.0	14.4	13.0	22.0	80	15.0	5.5	* 5.0	* 9.5	55	10.0	6.1	* 2.3	* 4.5
06	149	4.0	5.1	12.0	20.5	115	10.3	9.1	*16.0	*23.0	82	13.3	4.1	* 5.0	* 8.3	55	9.6	4.0	* 3.0	* 6.0
07	147	7.1	2.0	12.0	19.0	117	6.0	12.0	*15.0	*24.0	78	11.5	5.5	* 8.0	*12.0	55	9.9	3.7	* 4.0	* 6.3
08	149	6.0	4.0	*13.0	*19.3	121	3.7	15.7	*13.5	*20.0	80	11.7	4.3			55	7.9	2.1	* 7.5	*10.3
09	152	3.0	5.0	11.5	18.5	*123			*14.5	*21.5	* 86			* 5.5	* 9.5	* 55			*10.0	*15.5
10	*153			*12.5	*19.0	*123			14.5	22.0	88	11.7	6.3	* 5.5	* 9.0	* 57			*17.0	*25.0
11	*155			* 9.5	*16.3	125	8.8	4.3	11.0	17.5	* 90			* 9.0	*14.5	57	32.0	6.0	*10.0	*22.0
12	159	4.0	7.1	9.5	15.5	127	9.6	4.1	*10.0	*16.5	96	14.9	12.0	*12.0	*18.8	60	26.7	8.9	* 8.3	*14.8
13	157	6.0	4.0	10.5	18.0	127	10.0	4.0	9.0	16.0	100	8.9	14.0	* 8.5	*12.0	66	21.8	13.1	*13.5	*24.0
14	159	4.0	4.0	9.5	15.5	129	8.0	4.5	10.0	16.5	97	10.8	11.9	*13.3	*19.5	65	20.7	12.7	*13.3	*20.5
15	159	4.0	4.0	9.8	16.0	129	6.3	6.0	9.3	15.3	94	13.8	12.0	8.5	16.0	63	21.1	8.0	*12.0	*22.5
16	159	2.3	4.3	9.5	15.0	129	6.5	6.5	9.5	16.0	94	10.7	11.4	*10.8	*16.8	62	18.3	8.3	* 6.5	*10.0
17	159	2.0	6.0	9.5	15.5	127	6.0	6.7	10.5	18.0	94	10.5	15.0	*11.5	*17.8	63	10.2	6.1	*11.0	*15.5
18	157	2.5	4.0	10.0	16.0	127	4.0	6.0	10.5	17.5	94	8.0	16.0	* 8.5	*14.0	63	13.5	6.0	* 4.0	* 7.5
19	155	2.5	4.5	9.5	16.0	125	4.0	5.4	10.8	18.3	91	11.0	13.0	* 6.8	*12.0	63	6.6	4.0	* 1.8	* 3.8
20	155	4.0	4.5	9.3	14.8	123	4.0	6.5	11.3	18.5	94	6.0	10.9	* 9.0	*14.0	67	5.5	4.0	* 3.3	* 5.5
21	155	2.0	4.0	8.8	13.8	125	2.5	8.0	* 9.8	*16.0	98	6.9	6.0	7.0	13.0	73	8.0	4.0	* 2.0	* 4.0
22	155	2.5	4.0	8.8	14.5	127	4.7	8.0	*10.5	*17.0	104	5.3	5.3	* 4.5	* 9.5	80	5.0	6.3	* 5.5	* 9.0
23	155	4.0	4.7	9.3	15.0	129	4.0	10.0	10.0	16.0	108	4.0	8.2	* 3.8	* 7.5	81	7.1	9.1	* 4.3	* 8.0

HR. GMT	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	66	5.3	9.8	* 6.3	*11.3	61	3.5	5.5	6.0	10.5	* 46			5.5	9.0	21	0.0	2.0	1.0	2.5
01	64	7.3	8.3	* 7.5	*12.0	59	4.0	2.0	4.5	9.0	44	4.0	5.1	5.0	8.0	21	0.0	2.0	1.0	2.5
02	58	10.2	5.1	* 6.0	*10.0	59	5.2	5.1	5.3	9.8	41	5.4	5.3	4.0	6.5	21	0.0	2.0	1.0	3.0
03	52	6.5	8.0	* 7.5	*13.0	54	9.9	3.9	5.5	9.5	40	6.0	4.3	* 4.5	* 7.5	21	0.0	2.0	1.5	3.0
04	40	8.6	6.0	*10.0	*15.3	47	8.0	4.0	* 6.0	* 9.5	* 42					21	0.0	2.0	1.5	3.0
05	38	8.0	7.5	* 9.5	*15.5	41	11.0	9.5	* 9.8	*15.8	* 42			* 8.3	*13.0	21	0.0	2.0	1.5	3.5
06	* 34					38	10.7	6.7	*10.3	*16.8	* 41			* 7.0	*12.0	21	2.0	2.0	1.5	3.5
07	36	8.0	8.0	* 8.0	*12.5	37	7.5	7.5			* 38			* 6.3	*10.3	21	2.0	3.1	* 1.8	* 4.0
08	* 38			* 3.5	* 6.0	33	8.0	6.0	* 4.0	* 6.8	* 36			* 7.0	*11.5	21	3.7	0.1	* 1.5	* 3.3
09	* 38			* 1.5	* 5.0	33	8.3	4.3	* 6.5	*10.3	* 38					* 21			* 2.5	* 4.5
10	* 34			* 3.5	* 7.5	36	3.2	8.9	*13.5	*18.5	* 38			* 6.8	*11.3	23	4.4	2.0	* 2.5	* 4.5
11	36	17.6	6.1	* 3.5	* 9.5	* 35			* 6.0	*11.0	* 40			* 5.8	*10.5	23	4.0	2.0	* 3.0	* 5.3
12	* 39			* 7.3	*13.3	* 39			* 5.3	*10.5	42	4.0	8.0	* 5.0	* 9.0	24	3.0	5.0	1.8	4.5
13	32	16.6	3.6	* 6.5	* 9.0	36	13.1	5.1	* 5.5	* 9.5	42	4.0	6.0	5.0	9.5	23	4.7	4.0	3.0	5.5
14	34	10.0	4.0	* 4.5	* 7.5	41	8.0	8.0	* 8.3	*13.8	* 44			* 5.3	* 9.5	23	4.0	2.0	2.3	4.0
15	42	16.0	11.7	* 9.0	*15.0	44	7.0	7.5	5.5	9.8	46	2.1	6.1	* 4.3	* 8.5	23	2.0	2.0	* 2.5	* 4.5
16	37	11.1	3.1	* 4.0	* 6.5	47	6.0	10.0	4.5	9.3	48	2.6	5.7	5.3	9.8	23	2.9	2.0	1.8	3.8
17	42	4.1	7.7	* 3.0	* 6.0	49	7.5	10.4	* 6.8	*12.3	* 48			* 4.3	* 8.8	23	4.0	2.0	1.8	3.5
18	46	10.9	5.9	* 7.0	*13.0	51	4.7	8.0	5.5	11.5	48	5.6	4.1	* 5.0	* 9.0	23	4.9	0.9	2.5	4.3
19	* 48			* 4.5	* 7.5	55	6.0	4.0	6.0	12.5	* 50			* 6.0	*10.0	24	1.5	1.5	2.0	4.0
20	54	3.5	4.0	* 6.3	*10.5	59	3.5	4.0	* 5.0	* 9.8	* 50			4.5	9.3	23	3.9	2.0	2.0	4.5
21	59	5.3	9.1	* 4.5	* 8.5	63	2.0	7.5	5.0	10.0	48	6.1	2.3	* 5.0	* 8.0	23	2.0	2.0	1.8	3.5
22	65	3.0	10.3	5.3	9.5	61	4.0	6.0	* 5.5	*10.0	* 50			* 4.8	* 8.3	21	2.0	2.0	2.0	3.3
23	66	2.0	11.3	* 5.5	*10.8	61	4.0	5.5	* 6.3	*10.8	48	4.3	4.3	5.5	9.0	21	0.0	2.0	1.0	2.5

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

** Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION ENKOPING, SWEDEN LAT. 59.5 N LONG. 17.3 E JULY 1966

HR. LST	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	156	2.0	4.0	9.0	14.8	129	6.0	2.3	11.3	17.5	110	4.0	4.0	6.8	11.3	84	7.1	10.8	10.5	17.5
01	156	2.0	6.0	9.5	15.0	129	6.1	9.7	11.5	17.8	112	3.1	4.0	* 8.5	*14.5	80	9.1	15.1	*14.0	*20.5
02	154	4.0	2.0	9.5	15.5	126	6.6	7.1	12.5	18.5	106	6.9	4.0	* 7.0	*16.0	72	9.2	15.0	* 7.0	*10.0
03	154	3.5	2.0	10.0	16.3	123	6.0	7.0	13.0	19.0	92	9.2	10.0	* 7.8	*12.8	57	15.1	8.0		
04	154	2.0	4.0	10.5	17.0	122	7.0	8.0	*13.8	*20.8	84	12.7	9.4	* 6.8	* 9.5	55	11.4	6.7	* 5.0	* 7.5
05	152	4.0	2.0	11.5	17.5	123	4.3	8.3	*12.8	*20.3	82	15.3	5.8	* 5.0	* 9.8	57	16.0	7.1	* 2.5	* 4.5
06	152	4.0	2.0	13.0	20.0	121	6.0	7.6	*13.8	*21.8	84	8.0	7.5	* 6.0	*10.5	55	5.1	4.0	* 1.5	* 4.0
07	152	6.1	2.0	11.0	18.0	120	5.0	8.0	14.0	21.5	86	13.3	9.0	*13.0	*19.5	55	24.8	5.3	* 5.8	* 9.0
08	152	4.1	2.1	10.8	17.8	121	9.4	4.7	12.5	20.5	84	26.3	9.5	* 7.5	*12.0	55	32.5	4.0	* 8.0	*11.0
09	154	4.0	2.1	11.5	18.3	125	4.0	6.0	13.0	20.5	89	11.0	9.4	*12.5	*18.0	* 59			*15.5	*27.0
10	156	2.0	4.0	*10.3	*16.8	127	4.0	7.5	*10.3	*17.8	96	14.2	14.6	*11.5	*17.0	* 57			* 9.3	*15.0
11	158	2.2	6.0	11.0	17.5	129	6.4	4.1	*11.5	*18.5	*100			*10.8	*16.5	* 72				
12	160	2.0	5.3	11.5	18.0	130	6.6	3.1	*11.5	*18.0	*102			*12.8	*19.0	* 72			*16.5	*26.0
13	160	4.0	4.0	10.5	17.0	131	10.0	6.0	12.0	19.0	106	11.2	16.0	*14.3	*23.0	79	16.0	24.0	*13.5	*19.5
14	162	2.3	6.0	12.0	18.0	133	8.0	6.0	*11.3	*18.3	107	12.3	15.6	13.3	21.0	79	25.0	19.9	*13.5	*22.5
15	162	2.1	5.7	11.0	17.0	133	9.9	5.9	11.0	17.5	106	14.0	12.0	16.5	20.0	77	19.2	18.2	*15.0	*23.8
16	161	3.0	3.2	10.0	16.0	133	4.3	6.0	10.5	17.0	104	13.8	11.8	*12.5	*20.3	73	18.0	16.0	* 7.5	*12.5
17	160	3.6	2.1	10.0	15.8	131	5.6	4.0	10.8	18.0	102	11.4	10.0	*13.8	*20.8	73	16.6	19.3	*13.5	*24.8
18	159	3.1	3.0	10.5	16.5	129	5.9	2.2	12.5	19.3	102	8.0	10.0	12.0	18.5	67	18.2	10.0	*16.0	*24.0
19	156	4.0	2.0	10.0	15.5	127	5.9	3.7	11.5	19.0	100	8.7	8.7	*11.0	*18.0	69	12.1	8.3	* 3.0	* 5.0
20	156	4.1	4.0	10.0	16.5	125	6.1	3.7	11.3	17.3	102	6.5	6.5	*12.5	*20.5	73	15.2	8.0	*10.0	*16.5
21	156	4.0	4.0	8.3	14.0	129	5.7	6.0	10.5	17.0	106	6.0	8.0	8.8	15.0	79	10.0	8.0	* 6.5	*11.0
22	156	4.0	4.0	9.5	15.5	131	4.0	6.0	10.5	18.0	109	5.5	5.0	* 6.0	*10.0	83	7.0	6.0	* 9.0	*14.0
23	156	2.0	4.0	9.8	15.3	131	4.0	6.1	*10.0	*17.5	112	4.0	6.0	* 8.5	*13.5	83	10.0	6.0	9.0	14.5

HR. LST	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	62	6.0	4.0	* 5.5	* 9.5	59	6.6	2.3	* 4.0	* 6.8	48	4.0	7.5	* 5.3	* 8.0	20	2.7	0.0	* 2.0	* 3.0
01	62	8.0	4.0	* 5.3	* 9.5	61	6.0	4.0	* 4.0	* 6.8	44	4.0	6.0	* 5.0	* 8.0	20	2.7	0.0	* 2.5	* 3.5
02	57	11.1	4.9	* 5.0	* 9.5	59	9.5	4.0	* 4.3	* 6.8	41	6.7	3.1	* 5.3	* 8.0	20	2.0	0.0	* 1.5	* 2.5
03	52	11.3	9.3	* 5.5	*10.0	59	7.7	9.7	* 2.3	* 3.3	42	4.3	6.0	* 4.0	* 6.3	20	2.0	1.5	* 1.5	* 2.5
04	43	9.2	11.4	* 6.5	*12.0	51	10.3	8.1	* 4.8	* 8.3	40	5.7	4.6	* 5.0	* 7.5	20	3.3	2.0	* 1.5	* 2.5
05	34	8.0	9.9	* 8.3	*12.8	43	12.9	9.8	* 5.8	*11.0	42	1.5	8.0	* 6.8	* 9.8	20	2.0	2.0	* 1.8	* 2.8
06	32	9.3	8.0			39	7.5	12.0	* 9.0	*13.5	42	4.2	7.8	* 8.0	*15.0	20	4.0	2.0	* 1.5	* 3.0
07	30	24.0	5.7	* 5.5	* 7.0	36	15.6	10.3			35	4.7	4.8			20	3.3	2.0	* 2.0	* 3.0
08	* 30			* 4.0	* 6.0	35	16.0	11.0	*11.0	*16.0	34	6.4	2.0	* 3.5	* 5.0	20	3.1	2.0	* 2.0	* 3.0
09	32	20.0	4.4	* 6.0	* 8.0	* 33			* 9.3	*14.8	* 38			* 5.5	* 9.5	* 22				
10	* 32					* 33					* 39					* 22			* 3.3	* 5.3
11	* 31					* 45			*13.5	*20.0	* 40			* 8.0	*12.0	* 22				
12	* 38					* 43			* 7.0	*11.0	* 36			* 6.5	*10.0	24	6.0	6.0	* 3.0	* 5.0
13	* 34			* 9.3	*12.5	* 44			* 8.0	*14.0	* 41			* 3.5	* 8.5	22	7.6	4.0	* 4.0	* 6.3
14	* 34			* 4.3	* 6.3	47	9.4	8.3	* 8.0	*12.5	44	4.0	4.0	* 2.5	* 7.0	24	5.1	6.0	* 2.5	* 4.5
15	* 31			* 8.8	*12.0	45	12.6	6.6	* 5.5	* 9.0	48	3.1	8.0	* 3.5	* 7.0	22	5.1	4.0	* 2.0	* 3.8
16	37	29.3	7.0	* 9.5	*14.5	47	6.0	9.6	* 4.3	* 8.5	50	3.5	6.0	* 3.5	* 7.3	22	11.1	2.0	* 1.5	* 3.3
17	* 41					49	8.4	11.0	* 5.0	* 9.0	48	2.4	4.1	* 5.0	* 9.0	22	4.1	3.7	* 1.5	* 3.0
18	* 46			* 5.5	* 9.5	51	6.0	10.0	* 5.5	*10.0	52	2.0	7.5	* 4.5	* 9.0	22	3.5	2.0	* 2.5	* 4.0
19	48	8.2	9.7	* 5.0	* 9.0	* 55			* 4.5	* 8.0	52	2.1	5.7	* 4.0	* 7.0	23	4.7	3.0	* 3.5	* 5.3
20	* 52					57	4.3	6.0	* 4.0	* 8.0	53	6.7	3.1	* 5.0	* 9.0	22	3.3	2.0	* 2.8	* 4.3
21	61	6.9	7.1	* 3.8	* 7.8	59	6.1	2.2	* 5.0	* 8.3	53	6.9	6.6	* 3.5	* 7.5	22	0.0	2.0	* 1.3	* 2.8
22	64	6.0	5.3	* 6.0	*10.5	60	5.0	3.1	* 5.0	* 9.5	52	12.9	7.0	* 5.5	* 8.0	20	2.9	0.0	* 2.0	* 3.0
23	64	5.5	5.5	* 8.0	*14.0	61	4.0	4.4	* 4.8	* 8.8	46	8.0	4.0			20	2.0	0.0	* 1.8	* 2.8

Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

* Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION ENKOPING, SWEDEN LAT. 59.5 N LONG. 17.3 E AUGUST 1966

HR. UT	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	155	4.0	4.0	9.5	15.5	131	4.0	7.7	9.5	16.0	111	5.2	4.9	6.3	11.3	84	9.1	5.0	7.0	14.0
01	154	3.0	2.6	10.5	16.5	129	4.1	6.0	10.0	17.0	112	4.2	6.0	* 7.0	*12.0	83	9.8	11.3	8.3	15.8
02	154	3.1	3.0	11.0	17.5	129	5.9	9.7	10.3	16.8	108	6.0	4.5	* 6.3	*11.5	79	9.7	11.9	7.8	12.8
03	153	4.0	2.0	10.5	16.8	125	6.0	6.0	10.0	15.0	106	4.9	4.9	* 7.5	*12.5	67	18.7	12.0	* 8.0	*11.0
04	153	4.0	3.6	10.5	17.3	123	6.4	6.0	10.5	17.3	90	15.3	11.7	* 9.0	*14.0	55	27.8	8.0	* 6.8	* 9.3
05	153	2.0	4.1	12.0	19.0	121	6.4	6.1	11.0	18.5	84	22.3	8.0	*11.3	*19.5	54	30.3	4.3	* 5.0	* 6.0
06	151	4.0	4.0	11.8	18.5	121	6.3	9.7	11.3	20.0	82	16.9	7.0	11.5	14.5	55	26.8	6.0	* 5.0	* 7.5
07	151	4.1	4.0	12.0	18.5	121	6.2	8.1	11.0	19.0	82	19.4	8.7	* 7.0	*15.0	55	25.2	5.1	* 4.0	* 6.0
08	151	4.1	4.0	11.5	18.0	119	6.5	7.0	13.5	20.0	80	18.0	8.0	* 8.5	*13.0	53	28.6	2.9	* 5.5	*10.8
09	151	2.2	5.9	12.0	18.8	121	8.0	9.4	*12.3	*20.0	80	25.4	9.7	5.5	10.5	55	25.1	6.0	* 3.5	* 5.8
10	153	2.7	6.0	12.0	18.5	121	8.7	5.4	11.3	18.5	82	26.0	6.0	* 6.0	*11.0	55	26.6	4.2	* 5.5	*11.0
11	153	6.0	4.0	10.5	17.0	123	14.6	6.6	12.3	20.3	83	31.1	7.0	* 6.8	*11.8	55	29.4	6.0		
12	155	5.1	6.0	*10.5	*17.0	125	8.6	6.9	10.8	17.5	90	22.3	13.6	*12.3	*17.0	57	17.5	7.5	*13.5	*19.0
13	155	6.0	5.1	10.5	14.5	127	5.4	7.4	10.0	16.5	92	18.0	16.0	*13.0	*21.0	57	22.0	6.0	*11.5	*20.3
14	157	4.0	6.3	9.5	14.0	129	4.1	8.1	9.0	15.5	96	16.0	20.3	10.3	15.8	63	17.4	14.7	* 9.0	*14.5
15	155	6.1	4.1	9.0	14.3	127	7.7	8.0	9.8	16.0	97	13.3	22.6	11.0	16.0	58	30.8	8.9		
16	157	3.5	6.0	9.3	14.3	127	8.0	7.5	9.0	15.5	98	12.0	22.1	13.5	22.0	65	10.0	14.0	*12.8	*19.8
17	155	4.0	5.7	8.3	13.3	127	5.9	6.4	10.0	16.0	92	16.3	14.6	*11.5	*19.0	64	19.4	11.5	* 7.0	*11.0
18	155	3.7	6.0	9.8	15.5	127	4.2	6.2	9.3	17.0	94	10.4	10.2	9.0	16.0	63	18.9	8.0	7.0	11.5
19	153	4.1	4.0	10.0	15.0	125	4.1	7.2	10.0	16.0	98	8.2	4.6	8.0	14.3	71	9.5	7.7	7.0	10.5
20	153	4.0	2.1	9.5	15.0	127	4.0	6.0	9.0	15.5	106	5.7	6.0	5.5	9.5	78	8.7	6.3	6.5	12.5
21	155	4.0	5.5	8.8	14.0	129	4.0	5.5	9.8	16.0	110	4.1	7.6	7.3	12.0	81	7.6	9.6	5.5	11.0
22	155	4.0	5.3	9.3	14.5	131	2.0	6.0	9.3	15.8	112	4.1	4.1	4.5	8.0	83	6.0	9.5	7.0	12.5
23	155	3.7	4.0	10.0	15.5	131	4.0	6.0	8.8	15.5	112	4.0	5.7	* 4.8	* 8.3	83	10.1	9.6	7.0	12.5

HR. UT	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	66	6.0	9.8	* 5.0	* 9.8	61	5.5	6.0	5.5	8.5	44	6.0	3.5	* 5.3	* 8.0	22	0.0	2.0	2.0	2.5
01	61	10.9	1.4	* 4.5	* 8.8	60	7.0	3.1	* 5.0	* 8.0	40	6.0	5.2	3.5	5.5	22	0.0	2.0	2.0	3.0
02	64	5.0	6.0	* 5.5	*10.0	59	7.7	4.1	* 4.5	* 6.8	40	4.1	2.3	4.0	6.0	22	0.0	2.0	2.5	3.5
03	60	4.9	6.9	5.8	8.5	57	5.8	4.1	6.5	9.0	38	5.1	3.1	* 4.8	* 6.3	20	2.0	0.0	2.5	3.5
04	52	8.6	8.0	7.0	10.0	55	5.5	7.5	6.5	9.0	40	2.1	3.8	* 4.0	* 5.5	20	1.6	0.0	1.8	2.3
05	38	15.3	3.3	* 6.0	*10.8	47	8.4	9.5	* 6.5	* 9.0	40	4.0	4.0	5.0	7.5	20	2.0	0.0	2.0	3.0
06	36	13.3	6.6	* 5.8	* 9.8	43	9.9	9.2	* 7.5	* 9.5	42	8.4	6.0	* 9.0	*13.5	21	2.5	1.5	2.0	3.0
07	34	13.2	6.0	* 4.0	* 6.5	39	11.4	4.3	* 7.5	*10.0	36	4.0	2.0	* 3.5	* 4.5	22	2.0	2.6	2.5	3.5
08	34	7.7	4.1	* 5.5	* 7.0	35	18.4	4.0	* 6.5	* 9.3	38	5.6	4.0	* 5.0	* 6.0	22	5.9	1.9	* 2.8	* 3.8
09	34	11.3	3.9	* 9.5	*11.5	33	13.7	4.3	* 4.0	* 7.5	36	4.2	5.6	* 6.5	* 9.0	22	4.2	0.9	2.5	3.5
10	34	18.4	4.0	* 5.0	* 7.3	33	14.7	3.9	* 5.8	* 7.8	36	4.2	6.1	* 7.3	* 9.5	* 26			* 2.8	* 4.3
11	* 34			* 6.8	* 9.3	* 35			* 9.0	*14.0	* 37			* 5.5	* 9.5	* 26			* 2.5	* 4.0
12	* 35			* 4.5	* 6.5	* 31			* 6.5	*11.5	* 37			* 5.3	* 8.5	* 28			* 2.0	* 4.0
13	* 36			* 4.5	* 6.5	38	7.8	7.4	* 5.3	* 8.3	44	4.0	5.8	* 5.0	* 9.5	23	5.0	3.0	* 2.5	* 4.5
14	38	10.7	8.6	* 3.5	* 5.0	43	7.8	15.8	6.5	10.0	46	4.0	5.1	* 4.5	* 8.5	22	4.0	1.0	* 2.8	* 4.3
15	38	9.8	7.8	* 8.5	*13.3	41	9.5	9.5	5.8	8.5	49	3.0	5.9	* 7.5	*13.0	22	3.1	1.0	3.0	4.0
16	39	12.2	7.0	* 5.8	* 8.5	45	9.6	12.7	6.0	9.0	50	4.0	6.0	* 5.5	*10.5	22	2.0	1.9	* 1.8	* 2.8
17	42	11.5	7.7	* 4.0	* 5.5	49	6.3	8.3	5.0	8.0	52	0.1	5.8	* 4.5	* 9.0	23	1.3	2.1	2.5	3.5
18	* 47			* 6.8	* 9.5	* 53			* 4.8	* 8.0	52	4.1	4.1	* 4.8	* 9.5	24	2.0	2.0	2.3	3.3
19	* 51			* 5.0	* 8.5	57	4.2	4.6	4.5	7.5	54	2.1	7.7	* 2.5	* 6.3	24	2.7	2.0	2.0	3.3
20	* 60			* 4.0	* 7.0	61	3.7	5.7	5.3	8.5	54	4.3	4.1	* 5.0	* 9.0	22	2.4	0.4	2.5	3.8
21	64	4.9	4.9	5.8	9.8	61	4.0	4.0	6.5	9.5	54	2.0	8.0	* 5.5	* 9.0	22	2.0	1.0	1.5	2.5
22	65	6.3	6.3	4.8	8.5	61	4.5	6.0	6.0	9.5	48	7.6	6.2	* 3.3	* 5.5	22	2.0	2.0	2.0	2.5
23	65	5.1	4.8	5.5	9.3	61	5.0	7.5	5.0	9.0	46	3.7	6.4	* 5.0	* 5.5	22	2.0	2.0	2.0	3.0

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

** Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION OHIRA, JAPAN LAT. 35.6 N LONG. 140.5 E JUNE 1966

HR. LST	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	159	3.1	2.6	13.0	18.0	134	5.7	3.9	11.3	18.0	113	4.1	7.6	8.5	14.0	86	6.3	7.5	9.3	16.3
01	158	6.1	2.1	12.5	18.0	134	5.9	2.2	10.8	16.5	111	6.3	4.0	8.8	14.3	87	6.4	8.1	9.5	15.0
02	160	3.6	2.1	11.0	16.0	134	6.1	4.1	11.0	17.3	111	6.1	4.0	8.5	14.5	87	8.5	8.0	10.5	17.0
03	160	2.2	3.9	12.0	18.0	134	6.5	4.0	12.5	19.0	111	6.2	4.1	9.5	16.0	84	9.1	8.1	* 7.8	*12.5
04	160	2.2	3.9	10.8	17.0	130	7.7	4.2	13.0	19.5	105	9.5	7.1	11.5	18.5	70	20.7	6.7	*12.3	*15.5
05	158	3.7	4.0	12.5	19.0	126	10.0	4.0	*12.5	*19.0	89	26.6	7.1	* 9.0	*14.0	70	21.3	7.0	* 8.5	*11.0
06	156	6.0	2.0	13.8	20.0	122	10.0	8.5	15.0	22.0	89	21.0	10.0	*11.8	*15.5	69	18.0	10.0	* 8.5	*12.0
07	156	6.5	2.0	13.5	20.5	118	16.5	6.0	16.0	24.0	89	22.5	7.2	* 9.5	*11.5	69	16.5	10.5	* 5.8	* 8.3
08	158	6.0	4.0	16.0	22.0	121	13.0	7.0	16.0	24.5	91	19.8	9.4	* 8.5	*12.0	69	18.7	6.7	* 7.5	*10.0
09	157	3.0	3.0	*14.5	*20.0	122	12.6	6.3	17.5	25.0	93	18.3	6.8	*13.5	*17.5	69	16.4	5.5	* 8.5	*12.0
10	156	7.5	1.5	*16.3	*22.8	122	12.2	7.1	*17.0	*25.5	89	18.3	6.0	8.0	12.5	69	10.3	6.0		
11	158	4.3	4.0	14.8	21.0	124	10.0	8.0	16.0	23.0	91	16.1	7.9	* 9.5	*13.8	69	10.2	6.2	* 4.5	* 8.5
12	158	3.9	4.0	13.5	20.0	126	9.5	5.7	15.0	20.5	89	16.3	4.6	9.0	12.8	67	11.9	4.1	* 5.5	* 7.5
13	160	2.2	3.9	12.5	19.5	128	6.5	4.5	12.0	17.0	93	12.6	8.0	5.5	9.8	67	10.3	4.0	* 5.0	* 7.5
14	160	4.0	2.0	11.5	17.3	128	8.0	2.2	9.5	15.5	93	14.2	5.9	7.5	11.0	69	10.5	4.2	* 7.5	*11.5
15	161	3.0	3.1	10.5	16.0	130	5.4	4.7	8.5	13.5	93	16.5	6.5	* 8.0	*12.0	69	16.3	4.1	* 8.5	*11.5
16	162	4.0	2.0	9.8	15.3	128	7.4	4.0	8.0	13.0	95	24.2	10.1	* 7.0	*12.3	69	20.6	6.0	* 9.0	*12.3
17	162	3.7	2.0	9.3	14.3	126	11.9	4.0	8.5	13.0	89	25.6	10.1	9.0	13.0	70	18.9	6.5	* 4.5	* 6.5
18	162	3.7	4.0	9.5	14.0	124	11.9	6.0	8.5	13.0	93	19.9	10.0	8.5	11.8	70	17.2	3.2	* 6.5	* 9.5
19	160	2.1	4.0	9.8	14.8	126	11.9	4.0	9.5	14.5	101	14.1	6.0	9.5	15.3	75	13.9	6.0	7.0	12.0
20	160	3.9	2.1	9.5	15.0	130	10.0	3.7	8.5	14.0	109	8.8	5.6	8.5	13.5	83	11.9	8.0	8.0	14.5
21	162	2.0	4.1	10.5	17.0	134	8.4	2.2	9.5	15.0	113	7.2	6.1	8.0	13.0	83	11.6	6.1	8.0	13.5
22	160	4.0	2.0	11.0	17.0	134	6.0	4.0	11.5	18.5	111	6.0	4.0	7.5	13.0	85	5.7	6.1	7.5	14.0
23	160	2.1	2.1	12.0	17.5	134	5.7	4.0	11.0	18.0	113	5.7	5.6	9.0	14.3	85	9.7	4.1	9.0	14.8

HR. LST	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	63	6.3	5.5	6.0	10.0	61	3.7	6.0	* 3.3	* 5.3	48	14.1	2.0	* 4.0	* 7.0	25	4.1	0.1	1.5	3.5
01	63	7.7	7.8	* 5.8	* 9.5	59	4.3	4.0	* 5.0	* 7.0	50	12.0	4.0	5.0	8.5	25	4.3	2.0	1.5	3.0
02	63	4.2	6.0	* 5.5	* 9.8	58	5.1	4.6	* 2.5	* 5.0	50	6.6	6.0	6.5	10.0	25	3.4	2.0	1.0	2.8
03	61	8.6	6.0	* 9.0	*13.5	59	6.0	5.4	2.5	3.5	50	10.9	6.9	* 6.8	*10.8	25	2.3	2.0	1.0	2.8
04	59	6.3	6.0	* 6.0	*10.5	59	4.0	8.0	* 4.5	* 8.0	48	12.1	6.0	* 6.5	*10.0	24	3.5	1.5	1.5	3.0
05	46	13.5	5.5	* 7.5	*12.0	51	7.9	8.1	6.0	10.0	46	9.9	4.5	* 6.3	*10.0	25	4.7	2.0	2.0	3.5
06	43	8.0	4.0	6.0	9.5	43	10.5	8.0	9.5	13.0	42	18.0	6.0	* 6.5	*10.0	25	4.9	2.0	2.0	3.5
07	41	6.0	4.0	* 6.5	* 9.0	41	10.0	6.5	10.0	13.5	39	17.0	6.4	6.0	9.0	27	4.0	3.5	* 2.8	* 4.3
08	40	7.2	4.1	* 7.0	*11.0	39	10.5	6.5	* 8.3	*10.8	34	12.6	4.0	* 5.5	* 9.0	25	4.0	2.0	* 2.8	* 4.5
09	43	10.0	6.0	* 8.0	*12.8	* 36			* 8.5	*11.3	* 33			* 5.0	* 8.0	25	3.8	2.0	3.0	4.5
10	45	8.0	9.6	* 8.0	*12.0	35	9.9	5.5	* 7.0	*10.0	34	7.8	7.3	* 5.0	* 8.0	25	3.5	3.5	* 3.0	* 4.5
11	41	10.3	4.3	6.0	9.5	35	7.0	4.0	* 7.3	*10.3	32	8.8	4.3	* 3.3	* 5.3	25	4.0	2.9	* 3.0	* 4.5
12	39	4.0	2.0	* 8.0	*11.0	35	4.6	4.0	* 9.5	*13.3	34	8.0	10.5	* 6.0	* 8.5	25	2.5	3.1	* 2.5	* 4.0
13	41	12.2	3.1	* 7.5	*10.8	35	6.0	4.5	* 6.8	*10.3	35	3.7	4.4	* 5.0	* 7.5	27	6.0	4.0	* 3.0	* 4.8
14	47	7.1	12.0	* 7.0	*12.0	37	14.3	4.0	6.5	9.5	38	6.0	8.0	* 6.5	*10.5	29	4.7	2.7	2.0	4.5
15	41	4.5	4.5	* 8.8	*14.3	39	13.0	6.0	* 8.5	*11.8	41	6.3	5.0	* 6.0	* 9.3	29	7.5	2.5	3.0	4.5
16	44	11.5	7.0	* 8.3	*14.8	41	13.0	4.0	10.0	14.0	43	5.0	3.2	6.0	9.0	33	4.5	6.0	* 3.0	* 5.5
17	43	12.6	4.1	8.0	11.5	46	9.2	4.0	* 6.3	* 9.5	47	9.5	4.2	* 5.0	* 8.5	33	6.0	4.0	* 3.5	* 5.5
18	46	12.9	3.5	* 8.8	*13.3	51	8.1	3.1	* 7.3	*10.5	48	6.0	2.1	4.0	8.0	35	5.7	6.0	3.0	5.0
19	53	9.9	7.7	6.0	10.0	57	4.1	2.0	4.3	6.8	50	7.4	7.0	4.5	8.0	33	4.3	6.0	2.5	4.5
20	59	6.6	8.0	* 5.8	* 9.8	61	4.0	4.0	4.0	6.5	50	7.0	4.5	3.8	6.8	29	11.9	4.0	2.8	4.5
21	61	7.9	6.1	5.0	8.5	61	5.6	2.0	3.5	6.0	49	7.0	5.4	4.5	7.0	29	10.1	2.2	1.5	3.0
22	61	7.7	6.1	* 5.5	* 9.0	61	5.9	4.1	4.3	7.3	49	6.7	4.6	* 4.0	* 7.3	31	6.0	6.0	* 2.3	* 3.8
23	63	6.1	6.0	6.5	10.0	61	3.9	4.2	4.0	6.5	49	12.9	4.2	* 5.5	* 8.5	29	8.3	4.0	2.0	3.5

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

* Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION OHIRA, JAPAN LAT. 35.6 N LONG. 140.5 E JULY 1966

HR. LST	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	162	6.0	4.0	11.3	17.3	136	10.0	2.3	9.8	16.0	113	12.3	4.3	8.5	15.0	89	14.0	4.0	8.5	15.3
01	162	6.0	3.1	11.5	17.5	138	10.3	4.3	9.5	16.5	115	8.3	4.3	9.0	15.5	91	8.5	6.0	9.0	16.0
02	160	8.0	2.0	12.0	17.3	136	8.6	4.0	11.0	18.0	113	8.6	2.3	9.8	16.0	91	8.0	6.0	*10.8	*17.3
03	160	6.0	2.1	13.0	18.5	136	6.6	2.0	11.0	18.0	113	6.3	2.3	* 9.5	*15.0	89	8.3	10.0	12.5	18.5
04	160	4.3	2.1	12.5	19.0	132	10.3	2.0	*13.0	*20.0	107	7.1	6.3	*11.0	*17.5	71	26.3	4.3	* 9.5	*14.5
05	160	2.6	4.0	13.3	19.3	128	12.0	2.3	13.0	20.0	91	15.7	6.3	12.0	17.5	66	30.0	5.0	*15.5	*21.0
06	158	4.8	4.0	13.5	19.5	124	14.3	6.3	14.0	21.8	87	20.8	6.3	16.5	23.0	67	24.8	4.3	*15.5	*20.0
07	158	4.0	4.0	14.5	21.0	122	11.4	4.7	14.5	23.0	87	18.0	4.0	*10.8	*15.5	66	15.6	5.0	* 6.0	* 9.5
08	158	6.7	4.0	14.5	21.0	124	14.7	4.0	16.0	23.0	90	20.4	6.0	13.5	17.5	69	15.4	5.3	*10.5	*14.3
09	159	3.8	4.8	14.0	20.5	126	20.3	6.8	*14.5	*22.8	* 89			*11.5	*17.5	* 67			* 4.0	* 6.5
10	*158			*14.3	*20.8	126	8.5	4.6	15.0	23.0	91	14.5	6.1	*11.0	*17.5	67	25.5	3.3	* 9.0	*12.5
11	159	5.0	4.3	14.8	22.0	128	15.1	7.3	13.8	23.0	95	21.0	12.0	11.8	18.0	69	24.5	7.1	*14.0	*19.0
12	160	2.9	6.6	13.5	20.0	130	8.0	6.0	11.0	18.0	93	26.0	9.4	11.0	16.5	69	28.7	6.3	* 4.0	* 6.0
13	162	4.0	6.0	11.5	18.5	130	15.4	4.0	10.0	16.5	95	27.4	9.4	7.5	11.0	70	31.0	7.5	* 8.5	*11.8
14	163	3.5	4.0	11.5	17.5	132	14.5	4.5	8.0	13.5	96	26.4	11.5	8.5	13.5	69	33.0	5.2	*15.0	*22.8
15	164	2.5	2.5	8.5	14.5	132	10.5	4.5	8.3	12.8	95	25.9	10.5	9.5	14.5	71	31.0	4.5	* 9.0	*19.5
16	164	2.5	2.0	9.5	14.5	130	16.0	2.5	7.0	12.0	93	30.6	6.3	10.0	14.0	69	28.6	6.3	*12.0	*21.5
17	164	2.3	4.0	8.3	13.3	128	18.0	4.0	7.5	11.5	91	32.6	8.0	* 8.0	*11.3	69	28.8	6.0	* 9.0	*12.5
18	162	8.0	2.0	9.0	13.0	128	22.0	6.0	9.0	14.5	95	36.0	8.0	13.5	20.5	73	32.0	4.1	*11.0	*20.5
19	162	8.3	4.0	9.0	14.0	130	16.0	4.0	10.0	15.5	107	14.5	6.5	12.0	19.0	83	16.8	8.1	*10.5	*15.5
20	162	6.0	2.3	9.5	15.0	134	12.6	2.0	8.5	14.5	113	12.3	6.3	7.5	12.8	85	18.3	5.1	8.5	14.5
21	164	2.3	4.0	11.0	16.0	136	12.6	2.3	9.3	15.3	113	14.3	4.0	7.8	13.5	85	18.3	4.0	8.5	14.0
22	162	6.0	2.0	11.5	17.5	136	10.3	2.3	8.0	14.0	113	12.3	2.0	6.0	10.5	87	16.3	4.0	7.8	13.0
23	162	6.0	2.1	11.0	16.5	138	8.3	6.3	8.8	15.3	113	12.3	4.0	7.8	13.0	89	14.3	4.0	8.5	15.0

HR. LST	FREQUENCY (MHz) 2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	61	11.5	3.5	6.0	10.0	60	6.0	8.3	* 3.8	* 6.5	48	2.8	4.0	* 4.5	* 8.5	23	2.0	2.1	* 2.5	* 3.8
01	61	13.9	6.1	* 6.0	* 9.5	60	7.7	5.9	5.8	9.5	48	4.0	2.0	* 7.0	*12.5	21	2.0	1.7	1.8	3.5
02	61	11.2	6.1	* 7.0	*11.5	58	7.9	5.5	5.3	9.3	50	2.1	4.0	* 7.3	*12.5	21	2.0	0.1	* 2.5	* 3.5
03	59	10.0	7.5	* 7.8	*12.0	60	6.0	5.3	5.5	10.0	48	4.0	2.0	* 9.0	*14.5	21	2.0	2.0	* 1.3	* 2.8
04	57	11.9	4.0	* 6.8	*11.0	57	7.4	4.1	* 5.8	* 9.3	48	6.0	3.5	* 8.8	*15.3	21	2.0	2.0	* 1.5	* 3.0
05	47	6.8	6.1	* 7.8	*10.8	52	10.0	8.0	* 7.8	*11.0	44	4.0	2.0	* 8.8	*13.3	21	2.0	2.0	* 2.0	* 3.5
06	41	6.1	4.1	* 9.3	*15.0	42	7.8	7.8	* 9.5	*14.8	39	6.5	5.0	7.8	12.8	21	5.9	2.0	* 2.0	* 3.5
07	39	4.2	2.5	* 8.0	*12.0	36	4.3	4.3	* 7.0	*10.3	36	4.5	6.5	* 6.3	*10.5	21	4.0	2.0	* 2.5	* 3.8
08	39	13.5	3.0	* 8.5	*13.5	36	9.4	5.3	*10.0	*12.0	32	10.3	5.1	* 4.5	* 6.5	23	2.0	4.0	* 4.0	* 5.8
09	39	6.0	6.0	* 7.0	*10.5	33	9.8	3.6	* 9.5	*12.0	* 31					* 21			* 3.5	* 5.0
10	37	10.6	3.7	* 8.3	*14.0	30	4.6	2.5	* 7.5	*10.0	28	4.9	4.0	* 5.3	* 8.3	21	2.0	2.3	2.0	4.0
11	39	16.0	2.3	* 8.5	*12.0	32	4.3	4.0	* 7.0	*10.0	28	5.0	2.7	* 3.8	* 5.5	19	4.0	0.0	2.5	3.5
12	39	10.0	4.5	* 9.5	*17.0	32	12.3	2.0	8.0	11.0	30	2.4	6.0	5.8	8.3	21	4.0	1.9	* 2.3	* 3.8
13	39	18.0	3.9	6.5	11.0	32	14.7	2.0	* 8.3	*12.3	31	7.1	6.6	4.0	6.3	23	3.9	3.9	* 2.0	* 3.3
14	39	19.7	2.1	* 8.5	*12.0	32	17.4	2.3	9.0	12.5	32	9.3	4.7	* 4.3	* 6.0	23	5.9	2.0	2.0	3.8
15	39	20.0	4.1	* 8.3	*11.8	34	13.2	4.0	* 8.5	*11.3	36	4.9	2.1	* 5.0	* 8.0	23	4.3	2.0	* 1.8	* 3.5
16	39	14.8	2.3	7.5	10.3	38	13.3	6.0	5.0	7.5	40	4.1	5.8	5.0	8.0	25	4.3	2.0	2.0	3.5
17	41	16.6	2.1	* 9.3	*13.0	46	7.9	10.0	* 4.5	* 7.8	44	2.0	2.7	* 4.5	* 7.8	25	4.0	2.0	2.0	3.5
18	43	16.0	3.7	7.5	11.0	54	8.0	8.0	4.8	8.0	47	4.1	3.5	4.5	7.5	29	7.7	4.1	3.0	5.0
19	49	18.0	5.7	* 5.3	* 8.8	59	6.4	7.0	4.5	7.8	48	4.0	2.7	4.0	6.5	29	4.0	4.0	* 2.0	* 4.0
20	59	10.3	6.3	* 5.8	* 9.8	60	6.1	8.3	2.5	5.5	48	9.2	2.1	3.5	7.0	27	10.1	5.5	* 4.0	* 6.5
21	61	9.4	6.3	* 4.3	* 8.3	62	5.7	4.9	3.5	6.5	48	7.5	4.2	4.0	8.0	27	8.1	4.0	* 4.0	* 5.5
22	61	11.5	4.1	* 4.5	* 8.3	60	6.2	3.9	3.5	6.5	48	11.5	4.0	* 4.0	* 6.5	23	4.0	0.0	2.0	3.8
23	61	9.5	6.0	5.8	9.5	62	4.3	6.2	3.5	6.5	48	4.1	4.0	* 3.8	* 8.3	23	6.0	1.5	2.5	3.8

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

* Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION OHIRA, JAPAN LAT. 35.6 N LONG. 140.5 E AUGUST 1966

HR. LST	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	162	6.8	8.5	12.3	17.8	137	7.1	7.1	*11.0	*19.0	116	9.1	9.1	*10.3	*17.3	92	12.0	7.1	10.0	17.0
01	162	7.5	7.1	13.0	19.0	137	7.3	7.3	12.0	19.5	114	12.2	8.0	12.0	18.3	94	6.0	8.0	*13.0	*18.5
02	162	7.1	7.1	12.8	18.0	139	6.2	8.0	*13.8	*20.0	118	9.1	10.0	*11.0	*17.5	93	12.5	8.6	*12.5	*19.0
03	162	7.5	7.1	*12.8	*18.0	137	7.1	6.0	*13.3	*19.3	118	7.1	9.1	11.8	18.3	92	9.6	8.0	12.0	19.0
04	162	5.1	6.0	13.8	19.0	137	7.1	6.0	13.5	19.5	116	5.1	9.1	*12.0	*18.5	84	12.5	8.0	*13.0	*19.0
05	160	5.1	5.1	14.0	19.5	129	11.3	4.0	14.3	20.5	98	24.0	8.0	*13.8	*20.3	66	29.7	8.0	* 1.5	* 3.0
06	158	6.0	6.0	13.5	19.8	127	15.1	6.0	*16.8	*24.0	90	32.2	10.0	*17.5	*21.5	66	26.6	8.0	* 7.5	*11.0
07	160	6.0	7.3	14.5	19.8	125	9.3	10.0	*16.0	*23.0	96	20.6	14.0	*17.5	*22.0	64	24.5	4.0		
08	160	6.0	5.3	15.0	21.0	123	17.1	4.0	*18.0	*26.3	95	23.7	13.8	* 8.5	*15.5	67	23.8	7.5	* 7.3	* 9.8
09	158	8.5	4.0	*15.0	*21.3	127	15.7	9.7			98	25.6	14.0	* 9.5	*18.5	68	32.3	6.8	*12.5	*21.5
10	158	9.5	4.0	*14.8	*20.8	129	12.0	8.6	*11.0	*18.5	98	24.0	9.5	*10.5	*15.5	68	32.4	7.8	*10.3	*15.0
11	160	7.2	5.5	*13.0	*19.3	129	14.6	8.0	*10.8	*18.8	98	24.7	8.7	14.0	17.5	66	34.0	6.7	* 4.0	* 6.5
12	160	6.0	6.0	15.5	22.5	130	13.0	7.5	17.0	25.5	98	22.7	10.3	15.0	20.5	68	30.9	10.0	*10.8	*17.3
13	160	7.5	6.0	13.5	21.0	129	16.0	6.0	13.5	20.5	100	24.0	14.0	13.3	19.8	68	32.0	7.5	*12.5	*18.5
14	162	9.7	5.7	12.0	18.3	132	14.9	7.2	11.8	19.3	105	21.2	17.3	13.0	19.5	68	32.5	6.5	* 9.0	*18.0
15	162	10.0	4.5	10.3	15.8	131	20.0	7.4	* 9.0	*14.5	98	32.0	13.4	*11.5	*18.3	72	30.0	10.0	* 7.5	*10.0
16	163	10.2	4.0	10.3	14.8	131	20.0	7.0	10.5	17.0	100	30.0	14.3	*10.8	*17.5	71	31.1	8.3	* 5.0	* 9.0
17	164	5.9	6.0	8.8	13.8	128	23.0	6.7	*10.0	*16.5	98	33.5	15.5	* 9.0	*13.8	72	31.5	11.7	* 7.5	*15.0
18	162	10.0	5.3	10.0	14.8	127	24.0	6.2	10.8	16.3	104	26.0	9.1	*10.8	*17.5	80	23.1	8.5	10.5	17.0
19	162	9.5	6.0	9.5	14.0	131	17.1	7.1	14.0	20.8	112	18.0	10.0	12.0	19.5	86	17.1	7.5	10.0	18.3
20	162	7.6	4.0	11.0	17.0	135	10.6	6.0	9.5	15.0	113	12.7	8.3	9.0	14.5	88	12.4	8.0	*10.3	*16.3
21	162	6.0	4.0	11.8	17.3	135	8.0	5.3	10.0	15.5	114	8.0	9.1	* 6.5	*11.0	87	11.0	6.3	8.0	17.0
22	162	5.1	4.0	11.5	17.0	135	7.1	6.0	*10.0	*15.3	114	9.1	9.1	9.5	17.0	89	11.0	8.1	10.5	17.5
23	162	6.0	6.0	12.3	16.3	135	8.0	6.0	10.8	16.8	114	9.1	9.1	8.8	14.8	91	9.2	8.6	9.0	14.0

HR. LST	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	63	11.1	6.0	6.0	10.3	60	6.0	4.1	* 5.0	* 8.5	51	5.3	3.6	7.5	10.5	23	4.0	1.7	2.0	3.5
01	63	11.1	4.0	* 5.8	* 9.5	58	8.0	4.0	6.3	10.8	53	6.0	4.5	8.0	11.5	23	2.0	2.0	* 1.8	* 3.3
02	62	8.5	5.5	7.5	12.5	58	7.8	4.0	* 7.8	*11.8	53	4.0	4.0	6.5	11.0	23	2.0	2.0	1.5	3.5
03	63	8.0	6.0	* 5.8	*10.3	57	7.1	3.0	* 6.3	*10.3	53	3.6	6.4	* 7.8	*13.5	23	2.0	2.0	1.5	3.0
04	63	6.6	7.3	* 5.5	* 9.0	56	6.1	9.3	* 6.0	* 9.0	51	4.1	9.7	* 8.3	*13.0	23	1.3	2.0	1.3	3.0
05	55	6.0	6.6	* 7.0	*12.0	55	5.1	12.3	* 8.0	*11.8	51	5.5	7.7	*10.5	*16.5	23	2.0	2.1	2.8	4.5
06	47	10.0	5.6	* 5.0	* 8.5	44	14.3	4.3	* 7.0	*10.5	47	4.0	4.5	* 8.8	*14.0	25	2.0	3.8	3.3	5.3
07	41	7.5	2.0	* 9.0	*11.0	40	12.7	4.7	*10.8	*15.0	41	5.3	4.0	* 5.8	* 9.5	25	2.1	3.9	* 2.5	* 4.5
08	42	4.9	3.1	* 8.0	*14.0	36	7.7	4.0	* 9.5	*13.5	35	11.9	4.0	* 6.5	* 8.0	23	4.9	1.0	* 3.5	* 5.0
09	42	10.5	5.9	* 8.0	*10.8	34	13.8	2.0	* 9.0	*13.5	35	9.6	5.7	* 6.5	* 8.5	* 23			* 2.5	* 4.5
10	41	17.2	3.7	* 8.8	*12.8	32	13.0	2.1	* 8.3	*11.5	31	10.4	4.0	* 6.5	* 8.5	23	4.4	2.2	* 3.0	* 4.8
11	41	20.6	4.0	* 9.8	*13.3	33	12.8	2.6	*11.5	*15.5	31	12.1	4.5	* 7.0	* 9.0	23	14.2	3.3	* 3.0	* 4.5
12	40	12.8	1.9	*10.0	*13.5	34	8.8	4.0	*11.0	*14.3	32	13.7	7.3	* 8.5	*12.0	25	17.0	6.0	* 2.8	* 4.0
13	41	19.3	4.0	*13.8	*18.3	34	13.3	3.4	* 7.5	*10.0	32	8.7	5.6	* 6.0	* 9.0	29	17.6	6.0	4.0	6.0
14	41	18.3	2.3	* 6.5	* 9.5	34	19.0	6.0	* 9.5	*13.0	37	5.0	6.5	* 8.0	*11.5	29	12.6	7.1	* 1.0	* 3.0
15	41	18.3	4.0	* 9.8	*15.3	34	19.7	2.0	*10.5	*14.5	39	3.8	5.4	6.5	9.0	29	10.0	7.1	* 2.5	* 4.0
16	41	19.4	4.0	* 6.8	*11.0	38	23.0	4.2	* 7.5	*12.5	45	4.0	4.9	5.5	9.5	27	6.6	2.1	* 2.0	* 4.0
17	41	23.2	2.0	7.5	11.0	44	16.9	4.2	7.5	11.0	46	4.4	3.5	6.5	9.0	29	6.5	4.2	* 2.0	* 4.0
18	49	18.0	5.3	8.0	12.0	52	10.7	4.3	7.0	10.3	49	2.1	2.1	5.0	8.0	35	26.0	6.0	* 3.3	* 5.0
19	55	16.0	6.0	* 9.0	*13.5	58	7.0	5.3	4.0	7.5	51	2.0	4.0	4.3	7.8	37	13.3	9.3	* 2.5	* 4.5
20	61	9.3	5.3	7.5	12.0	60	4.9	3.7	3.0	5.5	50	3.0	3.0	4.5	7.5	33	15.6	6.8	* 3.0	* 5.0
21	62	5.0	5.0	5.5	10.0	60	4.0	7.9	5.0	7.5	49	4.0	2.0	4.0	6.5	32	8.5	7.5	* 2.5	* 4.5
22	61	7.1	4.0	7.3	11.0	60	3.9	12.7	4.5	7.0	49	4.0	2.9	* 4.0	* 7.5	25	2.0	2.5	2.5	3.8
23	63	8.0	4.0	7.0	12.0	60	5.8	5.6	3.0	5.5	49	6.0	2.7	5.5	9.0	25	1.5	3.7	2.0	3.8

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

** Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION PRETORIA, S. AFR. LAT. 25.8 S LONG. 28.3 E AUGUST 1966

HR. LST	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	*147					128	11.5	4.0			106	10.6	6.0			97	7.3	8.0		
01	*147					130	9.5	5.5			108	9.0	9.5			97	9.5	7.5		
02	*147					130	8.0	5.3			106	9.3	8.0			97	7.3	8.0		
03	*147					132	7.5	6.0			107	7.0	10.3			97	5.0	9.5		
04	*147					130	8.0	4.0			105	8.3	8.3			95	5.3	9.3		
05	*147					130	7.5	6.0			104	7.3	8.0			95	4.0	11.5		
06	*145					124	13.3	6.0			94	11.8	8.0			95	2.0	15.1		
07	*143					122	11.9	9.7			88	15.0	7.5			93	2.2	4.6		
08	*143					122	10.0	7.7			88	16.8	6.0			93	2.0	2.0		
09	*141					122	11.2	13.2			90	13.4	8.7			95	1.1	4.0		
10	*139					118	16.0	12.0			88	15.9	8.0			93	2.1	2.0		
11	*141					120	11.5	14.0			87	14.3	5.0			93	2.0	2.0		
12	*141					122	11.3	13.3			86	20.4	5.5			93	3.5	2.0		
13	*142					122	13.5	9.5			88	23.8	8.0			93	4.0	2.0		
14	*145					124	15.5	10.0			88	26.3	8.0			93	7.1	2.0		
15	*147					124	13.8	7.3			88	27.8	6.0			94	3.6	3.0		
16	*147					124	15.4	4.3			88	29.0	7.5			95	2.0	3.5		
17	*145					125	14.7	8.4			92	23.8	10.0			95	2.0	3.7		
18	*145					124	12.6	6.0			96	17.5	5.5			95	3.6	11.0		
19	*147					128	10.0	6.0			101	12.3	5.5			96	4.7	4.8		
20	*147					130	7.5	4.0			102	12.0	4.0			97	5.5	9.0		
21	*147					132	6.1	6.1			104	12.6	6.0			97	7.7	9.2		
22	*147					130	10.0	4.0			104	15.4	5.5			97	9.2	6.1		
23	*147					130	9.5	5.5			105	10.8	5.0			97	8.1	7.6		

HR. LST	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	66	6.0	6.0			57	6.0	6.0			37	6.0	2.0			28	1.3	2.0		
01	66	5.3	7.3			57	6.0	5.5			35	2.0	3.5			28	1.5	2.0		
02	64	5.6	4.1			56	6.0	3.5			33	3.3	2.0			26	3.5	2.0		
03	64	5.5	7.5			57	3.5	4.0			33	2.0	2.0			26	1.3	2.0		
04	64	4.0	9.5			59	2.0	8.0			33	3.3	2.0			26	0.6	2.0		
05	62	8.0	7.3			57	3.7	6.0			33					26	0.6	2.0		
06	54	11.8	7.7			55	4.0	6.3			37	7.3	6.0			26	1.7	2.0		
07	50	6.3	8.0			51	6.3	10.0			41	8.4	5.5			28	5.5	3.5		
08	* 44					* 49					* 33					* 26				
09	* 42					* 42					* 35					* 26				
10	* 42					* 47					* 33					* 26				
11	* 42					* 41					* 33					* 28				
12	* 42					* 41					* 33					* 26				
13	* 42					* 41					* 33					* 28				
14	* 44					* 43					* 41					* 30				
15	* 44					* 45					41	6.6	6.0			30	7.0	2.3		
16	* 46					* 50					45	4.6	6.3			* 32				
17	* 56					* 55					* 51					32	2.2	2.4		
18	63	7.1	13.0			58	6.7	9.1			45	4.1	2.0			30	2.1	2.0		
19	64	7.7	9.7			55	8.0	4.0			43	4.1	2.1			28	2.0	2.1		
20	66	5.9	8.0			57	3.9	4.1			41	4.2	4.1			26	2.0	0.1		
21	66	5.9	7.7			56	7.0	2.9			39	3.6	3.6			26	2.0	0.1		
22	66	2.6	6.2			57	7.3	3.6			39	3.9	3.9			26	2.1	0.1		
23	66	6.3	6.0			57	7.7	4.1			37	6.0	2.1			26	2.8	0.1		

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION SINGAPORE, MALAYA LAT. 1.3 N LONG. 103.8 E JUNE 1966

HR.	FREQUENCY (MHz)																			
	.013					.051					.160					.495				
GMT	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	*160			*10.5	*15.3	*143			* 9.3	*13.8	*124			*10.5	*15.0	*102			* 7.5	*12.0
01	*160			*10.0	*15.0	*141			* 7.5	*12.0	*122			* 8.0	*12.0	*102			* 6.5	*11.5
02	*164			* 9.5	*14.0	*143			* 9.3	*13.5	*124			*10.0	*14.5	*100			* 8.3	*13.0
03	*162			*10.5	*14.5	*143			* 9.8	*13.8	*120			* 8.5	*13.5	* 98				
04	*162			*10.0	*15.0	*141			*11.5	*15.8	*122			*11.5	*18.0	* 98			* 6.5	*10.5
05	*160			*10.0	*15.0	*142			*10.3	*15.8	*118			*12.0	*17.0	* 92				
06	*160			*10.5	*15.0	*135			*13.3	*18.8	*117			* 9.5	*15.5	* 84				
07	*160			*14.0	*19.0	*139			*15.5	*22.0	*108					* 87				
08	*160			*12.5	*18.0	*131			*16.5	*24.0	*106			* 9.5	*15.5	* 90			*17.5	*26.5
09	*163			*14.3	*20.8	*134			*12.0	*18.5	*108					* 82			*10.0	*15.5
10	*162					*137			*12.0	*18.5	*104			*10.5	*17.0	* 83				
11	*162			*13.5	*21.0	*137			*13.0	*19.8	*109			*11.0	*18.0	* 90			*16.0	*23.0
12	*162			*12.0	*18.0	*136			*12.0	*18.0	*109					* 88				
13	*162			*12.0	*18.0	*137			*12.5	*18.5	*117			*14.0	*21.0	* 95			*12.5	*22.5
14	*164			*11.0	*17.8	*138			*12.5	*18.5	*115			*12.8	*20.3	* 95			*11.0	*19.0
15	*164			*11.0	*17.0	*140			*12.0	*18.0	*116			*12.5	*20.0	* 96			*11.0	*19.8
16	*164			*12.0	*18.5	*142			*11.5	*17.0	*120			*12.3	*19.5	*100			*12.0	*18.5
17	*164			*10.0	*15.0	*142			*12.0	*18.5	*118			*11.0	*18.0	* 96			* 5.0	* 9.5
18	*164			*10.3	*15.8	*147			*11.0	*17.3	*122			* 6.0	*11.0	*100			* 9.0	*15.5
19	*164			*10.3	*15.3	*145			* 9.5	*15.0	*122			* 8.8	*14.3	*100			* 6.8	*12.8
20	*162			* 9.0	*13.5	*143			* 9.5	*15.0	*121			* 7.5	*12.5	*102			* 7.0	*12.5
21	*162			* 9.0	*13.0	*142			* 9.0	*14.5	*121			* 8.0	*14.0	*100			* 7.5	*13.0
22	*163			* 9.3	*13.5	*143			* 9.0	*14.0	*122			* 6.5	*11.0	*101			* 8.0	*13.5
23	*163			* 9.5	*14.0	*145			* 9.5	*14.0	*122			* 7.5	*12.0	*101			* 6.0	*12.0

HR.	FREQUENCY (MHz)																			
	2.5					5					10					20				
GMT	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	* 67			* 8.0	*14.0	* 60			* 2.5	* 3.0	* 46			* 5.0	* 7.3	* 27			* 4.5	* 7.0
01	* 71			* 6.5	*10.0	* 62			* 7.5	*11.0	* 46			* 4.3	* 6.8	* 29			* 4.5	* 6.3
02	* 66			* 7.5	*12.0	* 62			* 6.0	* 9.5	* 42					* 27			* 2.0	* 3.0
03	* 63					* 58					* 40			* 5.5	* 7.8	* 27				
04	* 65					* 58			* 4.8	* 7.3	* 38			* 4.0	* 5.8	* 27			* 2.0	* 3.0
05	* 65			* 9.5	*16.0	* 60			* 7.0	* 9.0	* 42					* 27			* 7.5	*10.5
06	* 62			* 9.0	*13.0	* 58			* 7.8	*10.0	* 43			* 8.5	*13.5	* 29				
07	* 53					* 56			* 6.0	*11.0	* 43			* 8.5	*12.5	* 28				
08	* 47					* 48			*10.5	*16.5	* 41					* 28			* 3.5	* 5.5
09	* 39					* 50					* 40			*10.0	*15.5	* 25			* 5.3	* 6.8
10	* 39					* 42					* 44					* 29				
11	* 40					* 42			* 7.5	*12.5	* 38			* 8.0	*12.0	* 27				
12	* 40			* 9.0	*13.0	* 40			* 9.0	*13.8	* 35			*10.0	*15.0	* 27			* 4.5	* 6.0
13	* 41					* 46			* 9.8	*14.3	* 38			* 9.5	*13.0	* 30			* 5.5	* 8.3
14	* 49			*13.0	*19.0	* 46			* 9.0	*14.5	* 39			* 7.3	*11.3	* 30			* 3.5	* 5.0
15	* 48					* 51			* 9.0	*13.0	* 42			* 6.0	*10.0	* 31				
16	* 57			* 9.5	*13.5	* 58			*10.5	*15.5	* 46					* 35			* 4.0	* 5.5
17	* 63			* 6.0	*11.0	* 58			* 6.5	*11.0	* 48			* 4.5	* 7.5	* 37			* 4.0	* 5.5
18	* 67			* 5.5	*10.5	* 64			* 6.5	*10.5	* 50			* 4.8	* 7.5	* 37			* 5.0	* 9.0
19	* 69			* 5.8	*11.5	* 64			* 5.5	*10.0	* 51			* 4.5	* 6.8	* 35			* 4.8	* 7.0
20	* 69			* 5.3	* 9.0	* 62			* 4.3	* 6.3	* 50			* 4.5	* 7.5	* 33			* 4.5	* 6.0
21	* 66					* 60			* 4.8	* 8.3	* 48			* 2.5	* 5.5	* 31			* 1.5	* 4.0
22	* 65			* 5.5	* 9.0	* 62			* 5.0	* 9.0	* 46			* 3.0	* 6.0	* 32				
23	* 63			* 6.0	*10.0	* 60			* 5.3	* 9.3	* 46			* 5.5	* 8.5	* 28			* 3.0	* 5.0

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

* Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION SINGAPORE, MALAYA LAT. 1.3 N LONG. 103.8 E JULY 1966

HR. LST	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	158	5.5	7.1	9.0	13.0	139	4.0	6.0	9.5	15.0	121	7.3	7.3	9.3	15.0	99	5.1	11.1	7.5	13.5
01	158	5.7	5.1	9.0	13.0	139	5.1	5.1	10.0	15.5	122	7.6	8.3	9.0	14.5	97	5.5	8.5	8.5	15.0
02	158	6.5	6.0	10.8	15.0	139	6.0	6.2	10.0	15.5	121	6.6	8.0	10.0	16.8	95	9.3	8.0	9.0	15.8
03	158	6.0	7.1	9.8	14.8	139	6.0	6.0	10.0	15.0	119	10.6	6.0	10.5	17.0	95	7.3	7.6	9.3	17.0
04	158	7.5	6.0	9.0	13.8	139	6.0	7.1	10.5	16.0	119	10.6	9.3	11.0	18.0	93	8.1	9.8	12.0	21.0
05	158	6.6	4.5	9.5	14.5	137	6.0	8.2	11.0	17.0	115	11.2	6.1	13.0	20.0	91	7.9	7.0	*12.5	*22.5
06	156	7.3	4.0	10.0	14.5	135	8.0	8.8	12.5	18.5	111	14.5	14.0	14.0	24.0	82	13.8	8.9	*11.5	*15.0
07	156	7.2	5.5	11.5	17.0	134	5.1	12.6	13.5	20.0	107	14.3	16.0	*14.5	*23.5	80	17.2	12.5		
08	156	10.1	8.1	12.5	18.0	*131			*13.5	*21.0	*107			*13.0	*19.5	* 80				
09	*155			*11.3	*17.0	*125			*14.5	*21.8	*103			*12.0	*18.5	* 75				
10	154	8.0	5.8	*13.0	*19.0	127	6.4	8.1	*15.0	*24.0	* 97			* 9.8	*17.5	* 81				
11	154	7.5	4.0	14.0	20.5	125	12.2	6.0	*14.0	*23.5	99	18.6	12.0	*13.0	*21.8	* 81				
12	156	6.5	6.0	*13.8	*21.8	131	13.8	10.9	14.5	21.0	109	13.1	15.2	*14.5	*22.0	84	30.0	9.3		
13	158	6.2	5.6	12.5	19.0	133	11.6	6.1	14.0	22.0	*113					93	19.6	14.3	*16.0	*27.0
14	160	7.1	6.0	11.3	17.3	138	7.0	10.3	14.5	22.5	115	17.2	11.2	*15.8	*24.8	96	9.8	20.1	*15.0	*27.0
15	160	8.1	4.1	11.0	16.8	137	12.0	6.5	*13.5	*20.3	117	12.0	12.7	*14.0	*22.5	97	9.2	13.9	*11.0	*17.5
16	160	4.0	5.1	10.5	15.5	137	6.0	5.9	12.0	17.3	115	11.9	12.0	14.0	21.5	88	13.5	7.2	*11.0	*19.0
17	160	3.1	6.0	10.0	15.5	137	5.1	7.1	*13.3	*21.3	113	13.3	9.7	11.0	17.3	91	8.4	7.8	10.0	18.0
18	158	5.5	4.5	9.3	14.0	137	7.3	6.0	11.0	18.5	118	5.5	10.1	9.8	17.0	99	4.0	10.0	9.0	15.0
19	160	4.0	7.1	10.5	15.8	139	4.0	6.0	11.3	17.8	120	7.0	8.3	8.5	15.8	99	4.0	9.5	8.3	15.3
20	158	4.5	5.5	10.0	14.3	137	6.0	4.0	10.5	16.5	121	6.0	8.0	10.5	16.5	101	4.0	9.1	7.5	13.5
21	157	5.0	7.0	9.0	13.5	139	5.1	6.0	10.0	17.0	121	6.0	6.0	10.0	16.0	99	6.0	7.1	7.5	15.5
22	156	7.5	4.0	9.3	14.0	137	7.3	4.0	10.5	16.5	119	7.1	4.5	10.0	17.0	99	6.5	8.0	8.5	15.0
23	158	4.6	6.0	9.3	14.5	139	5.1	6.0	10.5	16.5	121	5.1	6.0	9.5	15.5	99	4.5	7.5	7.8	14.5

HR. LST	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	63	7.9	6.2	7.0	11.5	63	5.5	8.3	6.5	9.5	48	2.5	5.3	8.5	13.3	28	2.0	3.0	* 2.8	* 4.3
01	60	7.2	4.9	8.0	11.5	63	4.7	7.5	6.0	9.3	46	4.3	5.0	7.5	12.0	26	4.8	3.8	* 4.3	* 6.5
02	61	12.0	8.6	7.5	12.8	63	7.5	8.1	6.5	10.0	44	5.1	3.1	* 6.8	*11.5	28	2.0	4.0	* 9.0	*11.0
03	61	8.4	10.2	8.8	15.3	62	8.4	7.0	7.0	10.0	43	5.3	4.0	* 7.5	*12.3	27	4.3	3.6	* 6.5	* 8.0
04	64	6.6	18.1	8.3	13.3	60	6.8	11.8	6.5	9.0	40	3.1	8.7	7.5	13.0	27	3.0	3.0	* 6.3	*10.8
05	61	8.1	10.1	8.5	14.3	57	8.6	6.6	8.5	13.0	39	7.7	8.1	7.0	10.0	28	4.0	5.0	* 3.0	* 4.0
06	59	6.3	10.3	*10.5	*18.5	63	4.2	6.3	* 7.5	* 9.5	45	19.9	9.5	7.0	12.0	28	4.0	4.8	* 4.0	* 6.0
07	51	7.9	8.0	*11.8	*19.5	55	6.3	6.3	* 8.5	*13.8	41	4.0	6.0	* 7.5	*12.0	26	6.0	2.5	* 7.5	* 9.0
08	41	9.6	5.9	*10.0	*16.5	* 47			* 9.5	*15.0	37	11.0	6.1	* 7.0	*12.0	28	4.6	3.4		
09	* 37			* 9.0	*17.0	* 45			* 7.0	*12.0	* 36			* 9.8	*14.8	* 27				
10	37	9.9	4.2	* 9.5	*17.0	41	5.5	15.4	* 9.0	*14.0	35	4.0	4.2	* 8.5	*13.0	27	3.0	3.8		
11	36	15.4	5.0	* 7.5	* 9.5	43	8.4	6.9	* 9.8	*14.5	35	6.9	6.0	* 9.0	*14.0	25	6.1	2.5	* 7.0	* 8.0
12	39	21.4	8.0	*12.5	*19.0	43	18.9	6.0	*15.5	*21.5	37	10.0	4.1	10.0	15.8	28	5.1	6.0	*10.0	*14.0
13	45	24.9	9.5	*15.3	*25.3	47	17.1	8.0	*11.5	*22.0	37	10.0	5.5	* 9.8	*15.0	30	12.0	4.5	* 9.0	*13.0
14	56	13.1	17.1	*12.3	*19.0	52	12.5	6.8	* 9.8	*14.5	41	17.5	4.1	* 9.8	*15.0	29	8.5	5.7	* 4.0	* 9.0
15	54	16.5	9.9	11.0	17.5	52	14.8	9.0	9.5	16.5	43	11.2	5.9	7.3	11.8	30	4.6	4.0	* 3.0	* 6.0
16	52	9.1	7.1	* 7.0	*12.5	54	8.0	9.0	10.0	16.3	47	18.8	4.1	6.0	9.5	35	8.5	8.5	* 4.5	* 8.5
17	56	8.9	9.1	*10.5	*16.5	59	4.7	6.7	8.5	12.5	49	2.9	5.9	7.5	10.8	36	9.3	8.0	* 7.8	*12.5
18	62	5.1	10.3	8.5	15.5	63	5.9	9.7	7.5	11.5	50	21.9	3.7	5.0	9.0	34	4.0	5.5	* 3.5	* 5.5
19	67	6.0	11.0	7.0	12.0	65	5.3	6.6	6.5	10.5	52	22.5	6.5	6.3	8.8	32	4.0	4.0	5.8	7.0
20	67	6.0	7.7	7.0	11.0	65	7.8	6.0	5.8	9.8	53	31.5	4.9	5.5	8.3	31	2.5	3.5	* 2.3	* 4.8
21	67	4.2	7.9	9.0	12.5	65	5.8	6.3	5.8	9.3	49	7.6	3.8	6.5	9.0	30	4.0	3.0	5.0	7.0
22	65	6.0	6.0	8.0	12.0	63	7.5	6.0	7.5	10.8	49	6.0	3.3	* 6.0	* 7.8	30	2.0	2.6	* 4.5	* 5.0
23	65	6.0	9.5	8.5	13.0	63	5.5	7.1	6.3	10.3	49	2.0	3.5	* 8.5	*13.0	29	3.5	3.5	* 7.5	*11.3

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

** Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_ob.

D_u = ratio of upper decile to median in dB.

D_ℓ = ratio of median to lower decile in dB.

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

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

MONTH-HOUR VALUES OF RADIO NOISE

STATION SINGAPORE, MALAYA LAT. 1.3 N LONG. 103.8 E AUGUST 1966

HR. LST.	FREQUENCY (MHz) .013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	158	3.5	6.0	10.3	14.8	139	6.1	7.7	9.0	14.0	121	5.5	5.5	9.5	15.0	99	6.0	9.3	7.5	14.5
01	158	5.5	6.0	10.0	14.0	139	6.0	6.0	9.3	13.0	123	6.0	7.3	8.5	13.5	99	4.0	8.6	8.5	16.0
02	156	6.1	4.0	9.3	13.8	139	6.0	5.3	9.0	13.0	121	6.0	5.3	9.5	15.0	97	7.3	8.0	9.0	17.0
03	158	4.0	6.0	9.5	15.0	139	6.0	4.0	9.5	14.0	119	8.0	4.0	8.8	15.0	95	6.1	5.9	* 8.5	*16.0
04	156	6.0	3.3	10.3	15.5	139	5.3	4.0	10.0	15.0	119	6.0	7.5	* 9.3	*16.5	95	6.0	7.5	10.5	16.0
05	156	7.3	2.0	10.3	15.0	137	8.0	6.0	11.5	17.0	117	6.1	7.7	11.8	18.3	89	10.0	7.5	*14.0	*21.0
06	156	6.0	2.0	10.5	15.8	131	9.9	6.0	*12.3	*18.3	108	11.9	11.9	*12.5	*20.5	83	14.8	16.0	*17.0	*25.5
07	154	6.1	3.6	12.0	16.5	129	8.0	8.5	*13.0	*21.0	104	14.8	11.1	*13.0	*22.0	81	17.4	14.1	*12.0	*21.0
08	*156			*13.5	*20.5	*133			*15.0	*22.5	*101			*14.5	*24.0	* 89				
09	*156			*14.3	*21.5	*129			*16.8	*25.0	*100			*12.0	*19.0	* 81			*15.5	*27.0
10	154	6.1	5.9	*15.5	*22.8	*128			*16.5	*27.5	* 98					* 72			*13.5	*25.0
11	154	6.1	5.9	14.0	21.0	127	16.7	6.4	*15.8	*25.5	* 95					84	23.7	11.5	*15.3	*26.5
12	156	6.9	6.0	13.3	20.0	128	10.5	8.7	*13.0	*19.0	*104			*16.0	*25.8	* 92				
13	158	8.6	6.3	12.8	18.5	139	12.0	10.3	*12.8	*20.8	*119			*13.0	*22.0	*101			*15.5	*22.0
14	160	3.1	4.0	11.5	18.5	140	5.1	9.2	*12.5	*19.3	*123			*13.5	*22.0	99	10.6	20.3	*12.5	*21.0
15	162	4.0	6.3	10.5	16.5	141	6.3	8.6	12.5	19.5	119	12.5	12.0	12.5	21.0	95	14.0	10.0	*13.0	*22.5
16	162	2.0	6.0	11.0	17.5	139	6.0	10.0	11.5	19.0	119	7.0	13.5	12.3	20.8	95	8.2	12.1	*11.0	*19.3
17	160	6.0	6.0	10.5	15.5	139	6.4	10.1	12.5	20.0	115	6.0	5.3	13.0	20.0	93	7.4	8.6	9.8	17.5
18	158	4.0	5.1	11.0	16.0	139	3.5	7.5	11.5	18.8	121	4.0	7.1	9.5	16.5	99	7.1	7.1	8.0	15.0
19	158	6.0	5.3	10.0	14.0	139	7.5	5.5	11.3	18.5	122	7.6	6.3	9.5	15.8	101	8.0	8.0	7.5	13.5
20	156	6.0	5.1	10.0	14.5	139	4.0	5.5	11.0	17.5	123	4.0	8.0	9.5	15.0	101	7.0	8.0	8.0	14.0
21	157	5.0	5.0	10.0	15.0	139	4.0	8.0	10.5	15.0	121	6.0	6.0	9.5	15.3	101	6.0	8.0	8.0	14.5
22	158	4.0	6.0	9.5	14.3	139	6.0	8.0	10.0	16.0	121	6.0	6.0	10.0	16.5	99	7.3	7.3	9.0	15.5
23	156	6.0	4.1	10.0	15.0	139	5.5	7.5	10.0	15.3	121	6.0	6.6	10.0	16.0	99	7.3	8.0	* 8.0	*14.5

HR. LST.	FREQUENCY (MHz) 2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	62	6.0	9.5	* 8.8	*12.8	61	4.0	16.3	* 7.0	*10.5	52	4.8	8.6	* 7.0	*12.0	29	4.1	4.0	* 8.0	* 9.5
01	64	4.0	12.0	8.3	11.3	60	5.0	13.0	6.5	10.0	51	5.6	7.7	* 7.5	*13.0	29	4.0	2.0	* 4.3	* 5.8
02	62	6.0	11.7	* 8.0	*13.0	59	6.0	21.9	* 6.3	* 8.8	49	6.0	10.0	* 6.5	*10.0	27	2.0	3.5	* 4.0	* 5.5
03	63	5.0	11.2	* 8.0	*14.0	57	6.0	10.0	* 6.3	* 9.3	45	7.1	7.1	* 8.0	*12.3	27	4.0	2.0		
04	64	5.5	12.0	*10.0	*15.5	54	10.7	9.0	* 6.5	* 8.0	41	8.0	3.5	* 7.5	*13.5	27	3.3	2.0	* 4.0	* 4.5
05	64	5.7	15.5	* 9.8	*15.3	53	8.0	6.3	8.5	10.5	39	8.0	2.0	* 9.0	*14.5	27	5.3	2.0	* 7.5	* 8.5
06	55	11.1	7.1	*11.0	*17.5	59	6.3	16.0	* 7.3	*11.5	47	16.6	4.0	* 6.0	*11.0	29	2.0	3.3	* 8.0	* 9.5
07	45	10.7	9.1	*10.8	*17.3	49	10.0	8.0	* 7.5	*12.0	43	6.0	4.1	* 8.5	*13.0	29	4.0	2.0		
08	* 38					* 44			* 7.5	*12.5	* 42			*10.0	*15.5	* 25			* 9.5	*10.0
09	* 39					* 44					* 39			*10.0	*15.5	25	23.4	4.0	*12.0	*15.0
10	38	7.1	8.3	* 8.8	*12.8	37	8.3	6.8	* 8.3	*11.8	37	8.1	3.9	* 9.3	*12.3	* 28			* 5.0	* 9.0
11	34	15.0	3.5	* 7.5	*11.5	41	4.0	9.5	*10.3	*14.3	37	8.4	3.5	* 9.5	*13.5	33	27.9	9.5	* 2.0	* 4.0
12	38	10.5	7.0	* 8.5	*10.5	37	12.0	6.5	* 8.5	*14.0	39	6.6	4.0	* 8.5	*11.5	31	16.5	4.5	* 9.8	*14.5
13	41	33.0	7.9	*11.0	*18.0	45	16.3	8.0	* 2.0	* 3.0	43	7.0	6.0	*12.0	*17.5	32	11.0	4.3	* 4.5	* 6.8
14	54	14.3	16.0	*12.5	*21.5	47	15.0	11.5	*11.0	*17.0	43	8.7	4.0	*10.3	*15.0	31	14.0	4.0	* 7.5	*12.0
15	50	16.0	11.1			45	10.3	6.6	*11.0	*17.3	45	6.0	4.0	* 6.0	* 9.0	33	8.1	6.0	* 4.5	* 7.5
16	52	16.0	10.0	* 9.0	*13.8	49	7.6	8.3	* 8.5	*13.5	47	8.8	4.0	* 6.0	* 9.0	43	25.5	12.0	* 1.8	* 4.0
17	54	10.3	10.0	8.0	14.0	56	6.3	11.0	* 5.0	* 9.0	51	8.2	7.1	* 4.8	* 8.0	43	28.2	6.3	* 4.5	* 8.0
18	61	7.9	9.9	* 5.3	*10.3	61	5.5	11.5	* 5.8	* 9.8	56	9.1	7.1	* 4.0	* 5.5	41	10.2	10.3	* 3.5	* 7.5
19	68	6.3	16.0	* 7.5	*13.5	65	2.9	23.8	* 7.8	*11.0	59	9.3	12.0	* 6.5	* 8.0	33	4.0	4.0	* 9.0	*11.0
20	68	4.9	19.8	* 8.0	*12.0	63	6.0	7.7	* 5.5	*10.0	58	17.1	7.2	* 6.8	* 9.8	33	7.3	3.3	* 6.3	* 8.3
21	68	4.0	16.0	* 7.3	*12.3	65	2.0	13.8	* 5.5	* 8.0	55	3.5	6.0	* 5.5	* 8.0	33	4.0	4.0	* 4.0	* 6.0
22	66	4.0	14.0	* 7.3	*11.5	63	4.0	14.0	* 6.5	* 9.3	55	7.3	5.3	* 5.0	* 8.0	31	5.1	3.1	* 7.0	*10.0
23	64	6.1	12.1	* 8.0	*10.3	63	3.5	17.5	* 6.8	*10.0	55	6.0	6.1	* 8.0	*12.0	31	8.0	5.3	* 9.5	*14.0

* Fewer than 15 days data on power measurements and no computations made for D_u and D_ℓ.

* Fewer than 7 days data on voltage and logarithmic measurements.

F_{am} = median value of effective antenna noise in dB above kT_0b.

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

BALBOA, CANAL ZONE LAT. 9.0 N LONG. 79.5 W SUMMER (JUNE, JULY, AUGUST) 1966

FREQ. (MHz)	TIME BLOCKS (LST)														
	0000-0400					0400-0800					0800-1200				
	F_{am}	D_u	D_ℓ	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	7.0	8.2	17.0	21.0	156	7.3	10.0	18.3	22.5	153	8.0	7.8	18.5	22.5
.051	142	8.9	9.0	17.5	21.0	140	10.0	12.0	18.0	22.0	137	11.3	13.0	19.5	25.0
.160	132	11.8	10.8	17.3	20.5	130	12.5	14.5	17.5	22.5	125	15.7	18.7	19.0	24.5
.495	104	9.5	13.5	16.0	19.8	102	11.0	17.0	17.5	21.5	94	18.5	17.5	17.5	22.0
2.5	78	7.8	6.0	16.3	20.3	76	9.0	14.0	17.5	23.0	59	14.0	17.0	19.5	27.0
5	67	5.5	7.5	15.3	18.5	66	11.0	12.0	16.5	21.0	50	13.0	13.1	19.0	24.5
10	56	8.0	15.9	14.8	17.5	51	7.0	15.9	16.5	19.0	41	10.0	12.7	18.3	22.0
20	34	6.0	6.0	14.5	16.0	34	8.0	8.0	15.5	17.0	32	8.0	4.0	15.0	17.5

FREQ. (MHz)	TIME BLOCKS (LST)														
	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}
.013	155	7.5	9.5	17.5	21.0	156	6.9	8.0	17.0	20.0	156	5.0	8.0	16.8	20.3
.051	138	11.7	10.0	17.5	21.0	138	12.0	10.0	17.0	20.0	140	8.0	9.6	17.0	20.0
.160	127	13.0	15.0	19.0	23.5	126	14.1	13.1	17.5	21.5	129	12.0	10.0	16.0	19.5
.495	98	20.0	17.2	18.5	23.0	99	19.0	16.3	16.5	20.5	103	10.9	11.9	15.3	18.5
2.5	59	25.8	18.8	20.0	28.0	71	15.9	16.9	16.5	20.5	77	6.4	5.0	15.5	18.5
5	53	18.0	18.0	19.5	24.0	68	9.0	14.0	16.0	20.0	71	8.0	11.0	15.0	17.5
10	46	13.0	12.0	18.0	22.5	56	8.0	13.1	15.0	17.5	57	9.0	14.0	14.5	17.5
20	38	8.0	10.0	15.5	17.5	39	7.0	9.0	15.0	17.5	34	6.0	6.0	14.0	15.5

F_{am} = median value of effective antenna noise in dB above kT_0b

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

BOULDER, COLORADO LAT. 40.1 N LONG. 105.1 W SUMMER (JUNE, JULY, AUGUST) 1966

FREQ. (MHz)	TIME BLOCKS (LST)														
	0000-0400					0400-0800					0800-1200				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	163	4.5	5.0	10.5	17.5	160	4.0	6.1	11.5	19.0	161	4.0	6.0	12.0	20.0
.051	140	5.0	5.0	7.5	12.0	133	6.0	6.0	8.5	14.0	132	6.3	6.0	9.0	14.0
.160	116	7.1	6.0	7.5	13.5	106	11.8	12.0	10.3	17.5	103	14.1	16.5	9.5	17.0
.495	96	7.0	7.0	6.0	12.0	72	17.0	10.0	5.0	8.8	71	21.0	9.0	4.8	8.0
2.5	72	4.0	8.0	5.0	10.0	54	15.0	9.6	4.5	8.5	48	7.0	5.0	2.5	5.5
5	61	5.0	3.3	5.0	9.0	52	7.0	11.0	6.0	11.0	39	7.0	4.7	3.5	6.0
10	45	5.4	6.0	5.0	8.5	43	4.0	5.0	5.0	8.5	38	5.5	5.0	5.0	8.0
20	21	2.0	2.0	2.5	4.0	21	3.0	2.0	2.5	4.5	22	4.3	2.0	3.0	5.5

FREQ. (MHz)	TIME BLOCKS (LST)														
	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}
.013	167	5.0	5.0	9.5	15.5	168	4.0	5.5	8.0	14.0	166	4.0	5.0	9.5	16.0
.051	142	9.0	7.0	8.5	13.5	144	7.0	7.0	7.5	12.5	144	4.0	6.0	7.5	12.5
.160	119	12.0	16.0	9.5	16.5	123	7.5	12.5	8.0	13.3	121	7.0	7.0	7.0	12.0
.495	101	14.0	28.2	10.0	18.0	101	11.6	17.0	8.5	14.8	99	7.0	6.0	6.0	11.0
2.5	56	18.5	10.0	4.0	7.3	66	10.0	12.1	4.5	8.5	74	4.0	8.0	4.0	8.0
5	47	15.0	9.0	5.0	8.5	61	6.0	8.8	4.0	8.0	66	3.0	6.0	4.5	8.0
10	45	8.0	7.0	4.5	8.5	52	5.0	4.0	4.0	7.5	52	4.0	6.0	4.0	7.5
20	26	10.0	5.0	3.5	6.5	27	6.0	4.0	3.8	6.5	22	6.0	2.0	2.5	4.5

F_{am} = median value of effective antenna noise in dB above kT_0b

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

COOK, AUSTRALIA LAT. 30.6 S LONG. 130.4 E WINTER (JUNE, JULY, AUGUST) 1966

FREQ. (MHz)	TIME BLOCKS (LST)														
	0000-0400					0400-0800					0800-1200				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155	2.0	4.0	7.5	11.5	155	2.0	4.0	8.0	13.0	149	4.0	2.0	9.5	15.0
.051	125	6.0	4.0	8.5	13.0	125	4.0	8.0	8.5	14.0	109	8.0	6.0	12.0	18.5
.160	101	7.0	5.6	7.5	12.5	97	9.0	25.0	8.5	13.5	62	23.1	7.1	5.5	8.5
.495	82	9.0	5.0	6.5	11.5	74	13.0	29.0	7.5	12.8	45	21.9	5.0	5.5	6.0
2.5	56	8.0	4.0	5.0	9.0	52	16.0	8.0	5.5	9.0	26	10.0	6.0	6.5	9.8
5	51	5.0	4.0	4.5	7.5	49	6.0	5.0	4.5	7.5	25	13.0	7.0	7.5	10.5
10	44	9.0	8.0	5.3	8.3	42	9.0	8.0	5.5	8.0	34	11.0	10.0	3.5	5.5
20	23	0.0	1.0	2.5	4.0	23	0.0	2.0	2.5	4.5	22	3.0	2.0	2.8	4.5

FREQ. (MHz)	TIME BLOCKS (LST)														
	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}
.013	149	6.0	4.0	11.5	17.5	151	4.0	2.0	8.5	14.0	153	4.0	2.0	8.0	12.5
.051	109	10.0	4.0	12.5	20.0	115	16.0	10.0	11.0	18.0	123	6.0	4.0	9.5	15.8
.160	65	22.7	8.5	6.5	10.0	87	14.8	22.0	11.5	21.0	98	10.0	6.0	8.5	15.0
.495	46	23.0	6.0	6.0	9.0	69	14.6	22.0	9.0	15.0	81	10.0	5.5	6.3	11.5
2.5	24	10.0	4.0	6.5	10.0	42	16.0	16.0	7.5	12.0	56	8.1	6.0	5.5	9.3
5	22	12.0	5.0	7.5	11.0	44	8.0	14.0	5.5	9.3	51	6.0	4.0	4.0	6.0
10	32	13.0	8.0	4.0	6.0	40	13.0	4.0	4.5	7.5	42	11.0	4.0	4.0	6.5
20	24	8.0	3.0	3.0	4.8	23	3.0	1.0	2.5	4.3	23	0.0	1.0	2.5	4.0

F_{am} = median value of effective antenna noise in dB above kT_0b

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

ENKOPING, SWEDEN LAT. 59.5 N LONG. 17.3 E SUMMER (JUNE, JULY, AUGUST) 1966

FREQ. (MHz)	TIME BLOCKS (LST)														
	0000-0400					0400-0800					0800-1200				
	F_{am}	D_u	D_ℓ	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	4.0	4.0	10.0	16.0	152	4.0	5.0	11.5	18.0	153	5.0	6.0	11.5	18.0
.051	127	6.0	9.5	11.0	17.5	121	6.0	8.9	13.0	20.3	123	8.0	8.0	12.0	20.0
.160	108	6.0	16.0	6.5	11.5	82	14.0	6.1	7.0	11.0	86	19.1	10.0	7.5	13.0
.495	75	13.6	18.0	7.0	12.5	55	14.0	6.0	4.0	6.0	55	26.0	4.0	7.8	11.0
2.5	60	8.0	8.0	5.5	10.0	37	15.0	9.0	7.0	11.5	34	10.1	5.7	4.3	7.3
5	59	6.0	6.0	5.0	8.5	43	12.0	10.0	7.5	10.0	33	14.0	4.0	7.8	11.3
10	42	6.0	4.2	5.0	7.5	40	4.0	6.0	5.0	8.5	38	4.0	6.0	6.5	9.5
20	21	1.0	1.0	1.8	3.0	20	2.1	1.0	1.5	3.5	22	4.0	2.1	2.5	3.8

FREQ. (MHz)	TIME BLOCKS (LST)														
	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}
.013	159	4.0	6.0	10.5	16.5	157	5.0	6.0	9.5	15.5	155	4.0	4.0	9.5	15.0
.051	129	8.0	7.9	10.5	16.5	127	6.0	6.0	10.5	17.0	129	4.0	8.0	10.0	16.5
.160	100	14.0	20.0	11.8	19.0	96	12.0	14.1	10.5	17.0	108	6.0	12.0	6.5	11.0
.495	67	22.0	16.0	12.0	22.5	67	14.0	11.1	7.0	11.5	79	10.0	10.0	6.5	12.0
2.5	36	12.0	6.0	4.8	6.5	44	10.0	10.0	5.0	7.8	62	6.0	8.0	5.3	9.5
5	41	10.0	10.0	6.0	10.0	51	6.0	10.0	5.5	10.3	61	4.0	6.0	5.5	9.5
10	44	6.0	8.0	5.0	9.0	50	4.0	4.0	5.0	9.0	50	6.0	6.0	5.0	8.5
20	23	5.0	3.0	2.5	4.5	23	4.0	3.0	2.0	3.5	22	2.0	2.0	2.0	3.3

F_{am} = median value of effective antenna noise in dB above kT_0b

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

OHIRA, JAPAN LAT. 35.6 N LONG. 140.5 E SUMMER (JUNE, JULY, AUGUST) 1966

FREQ. (MHz)	TIME BLOCKS (LST)														
	0000-0400					0400-0800					0800-1200				
	F_{am}	D_u	D_ℓ	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	6.0	4.0	12.0	18.0	158	6.0	4.0	13.5	19.5	158	6.0	4.0	14.5	21.0
.051	136	7.0	5.0	11.0	18.0	128	11.0	10.0	14.0	20.5	126	12.0	8.0	16.0	23.5
.160	113	9.0	6.0	9.5	15.5	98	20.0	15.7	11.8	18.0	93	20.0	8.0	11.0	17.0
.495	89	10.9	8.0	10.0	16.5	69	22.6	8.0	8.5	11.5	68	20.5	6.0	8.3	11.3
2.5	61	10.0	4.0	6.0	10.5	47	14.0	8.0	6.5	10.8	41	10.0	4.0	8.0	12.0
5	59	7.0	5.0	5.0	8.5	50	10.0	14.0	7.5	10.5	35	8.0	5.0	8.0	11.0
10	50	7.0	4.0	6.5	10.5	45	9.0	9.0	7.0	11.0	32	11.0	6.0	5.3	8.0
20	23	2.1	2.0	1.5	3.0	23	4.0	2.0	2.0	3.5	23	4.0	4.0	3.0	4.5

FREQ. (MHz)	TIME BLOCKS (LST)														
	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}
.013	160	5.5	4.5	12.0	18.5	162	6.0	4.0	9.5	14.0	162	4.3	4.0	11.0	16.5
.051	129	12.3	5.5	10.5	17.0	128	18.0	5.9	9.0	14.0	135	9.0	5.0	9.5	15.0
.160	95	25.6	10.0	10.0	15.5	100	23.0	14.6	10.0	15.0	113	9.0	6.2	8.0	13.5
.495	69	29.0	7.0	8.8	12.5	75	24.0	10.0	8.8	15.0	87	12.3	7.0	8.5	14.5
2.5	39	16.0	2.0	8.5	12.0	47	16.0	8.0	8.0	11.3	61	8.0	6.0	6.0	10.0
5	34	13.0	4.0	8.0	11.5	51	10.0	14.0	5.5	9.0	61	5.0	5.0	3.5	6.5
10	35	7.0	7.6	5.5	8.5	47	5.0	6.0	5.0	8.0	49	5.3	3.0	4.0	7.5
20	26	9.0	5.0	2.5	4.0	31	8.0	6.0	2.5	4.5	27	10.0	4.0	2.5	4.0

F_{am} = median value of effective antenna noise in dB above kT_0b

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

PRETORIA, S. AFR. LAT. 25.8 S LONG. 28.3 E WINTER(*** . *** ,AUGUST) 1966

FREQ. (MHz)	TIME BLOCKS (LST)														
	0000-0400					0400-0800					0800-1200				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	147	2.0	4.1			145	4.0	4.0			141	6.0	4.0		
.051	130	8.1	5.7			128	8.3	10.0			122	10.0	16.0		
.160	106	8.0	8.0			100	12.0	14.0			88	14.3	6.0		
.495	97	7.6	8.0			95	7.2	10.0			93	2.0	2.0		
2.5	64	6.0	4.0			58	10.0	11.1			42	5.3	2.0		
5	57	5.7	4.1			55	4.0	6.1			44	8.7	10.6		
10	33	6.0	2.0			33	10.1	2.0			33	14.0	6.2		
20	26	2.0	2.0			26	4.0	2.0			26	8.6	0.0		

FREQ. (MHz)	TIME BLOCKS (LST)														
	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}
.013	145	6.0	6.0			147	2.0	6.0			147	2.0	4.0		
.051	124	10.1	11.6			126	12.0	6.5			130	10.0	4.0		
.160	88	21.9	8.0			96	18.1	12.0			104	10.0	6.0		
.495	93	4.0	2.0			95	2.9	4.0			97	8.0	6.9		
2.5	44	14.5	4.0			56	14.0	12.0			66	6.0	6.3		
5	43	12.3	8.3			55	7.6	9.6			57	5.7	4.0		
10	37	10.0	10.0			45	6.0	4.0			39	4.0	4.0		
20	30	4.4	4.0			30	4.0	2.3			26	2.0	0.0		

F_{am} = median value of effective antenna noise in dB above kT_0b

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

SINGAPORE, MALAYA LAT. 1.3 N LONG. 103.8 E SUMMER (JUNE, JULY, AUGUST) 1966

FREQ. (MHz)	TIME BLOCKS (LST)														
	0000-0400					0400-0800					0800-1200				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	158	6.0	6.0	10.0	14.0	158	6.0	6.0	10.5	15.0	156	8.0	6.0	13.5	20.0
.051	139	6.0	4.0	9.5	14.0	137	7.6	10.0	11.5	17.5	129	10.0	10.0	15.0	23.0
.160	121	6.0	6.0	9.5	15.0	115	9.7	15.5	12.5	19.5	101	13.8	12.0	12.5	19.0
.495	97	6.0	8.0	8.5	15.3	89	11.8	14.0	11.8	20.3	82	13.0	11.0	15.5	25.0
2.5	63	6.0	10.1	8.0	12.0	59	9.0	16.0	9.5	15.5	38	9.3	6.0	9.0	16.5
5	61	6.0	10.1	6.5	10.0	57	8.0	10.0	7.5	10.5	43	6.0	8.0	8.8	13.8
10	47	6.0	7.0	7.0	11.5	43	7.0	6.0	7.0	11.8	37	8.0	6.0	9.5	13.5
20	27	4.0	3.0	4.3	6.3	27	4.0	3.0	4.0	5.5	27	13.3	4.0	5.8	8.5

FREQ. (MHz)	TIME BLOCKS (LST)														
	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}
.013	160	6.0	6.3	12.0	18.0	160	4.1	6.0	10.5	15.5	158	5.0	6.0	9.5	14.0
.051	137	10.0	10.0	13.0	20.0	139	6.0	8.0	12.0	19.0	139	6.0	6.0	10.0	16.0
.160	115	14.1	16.0	13.5	22.0	119	7.9	10.1	10.5	17.5	121	6.0	6.0	9.5	16.0
.495	95	15.1	16.0	12.5	22.0	97	7.0	10.0	8.5	15.5	100	5.0	7.1	8.0	14.5
2.5	45	22.0	10.0	11.3	18.5	59	11.0	13.0	8.0	13.0	66	6.0	10.0	7.5	11.8
5	46	15.0	9.0	9.5	15.0	59	8.0	13.1	7.0	11.0	63	6.0	8.0	6.0	9.5
10	41	8.0	6.0	9.0	13.5	50	13.0	5.4	5.5	8.8	51	10.0	4.0	6.0	8.5
20	31	10.0	5.0	5.5	8.5	36	11.0	7.0	4.8	7.8	31	4.0	4.0	5.0	7.0

F_{am} = median value of effective antenna noise in dB above kT_0b

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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