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RADIO NOISE DATA FOR THE INTERNATIONAL GEOPHYSICAL YEAR JULY 1, 1957 - DECEMBER 31, 1958

BY W. Q. CRICHLOW, C. A. SAMSON, R. T. DISNEY,
AND M. A. JENKINS

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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NATIONAL BUREAU OF STANDARDS

Technical Note

No. 18

July 27, 1959

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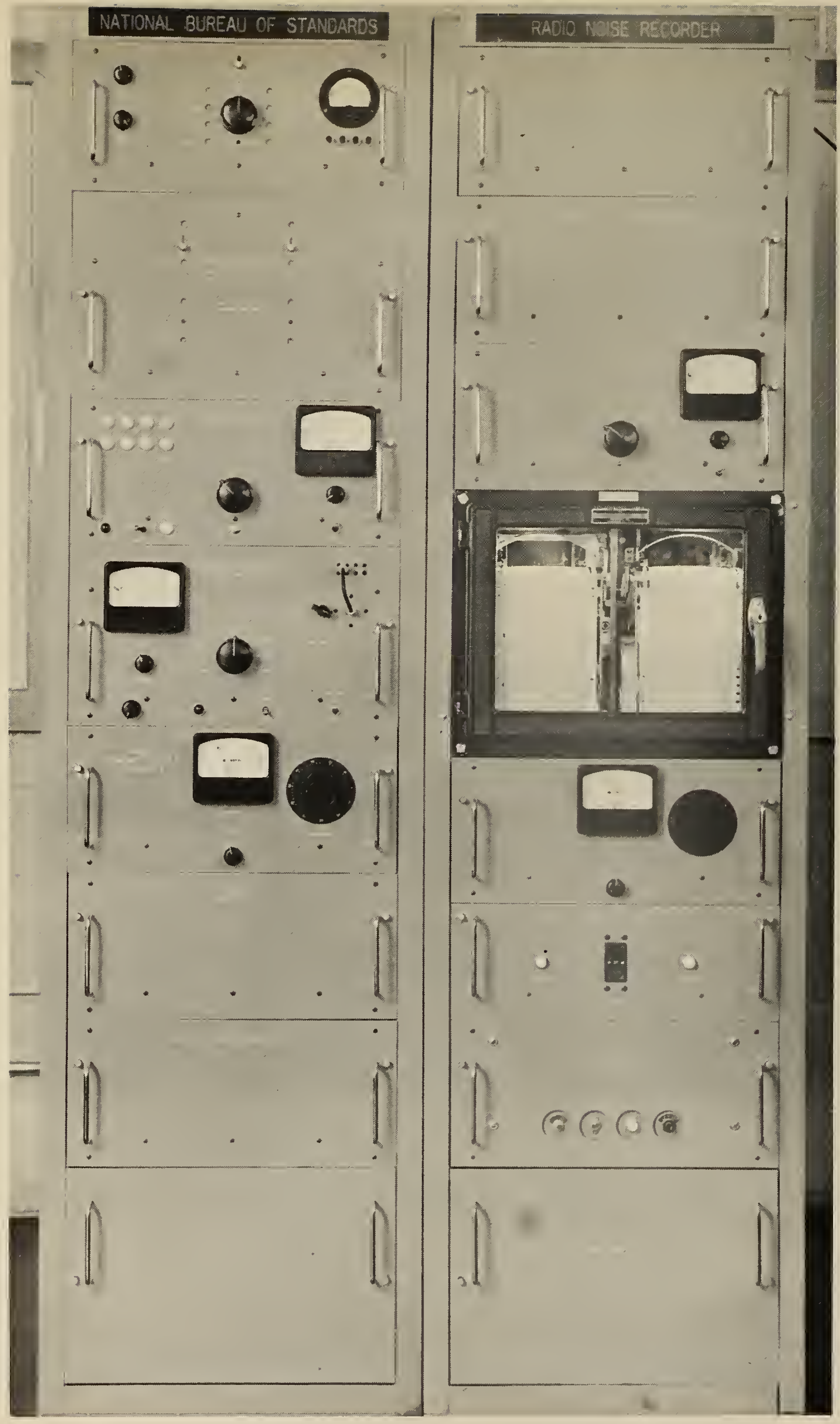
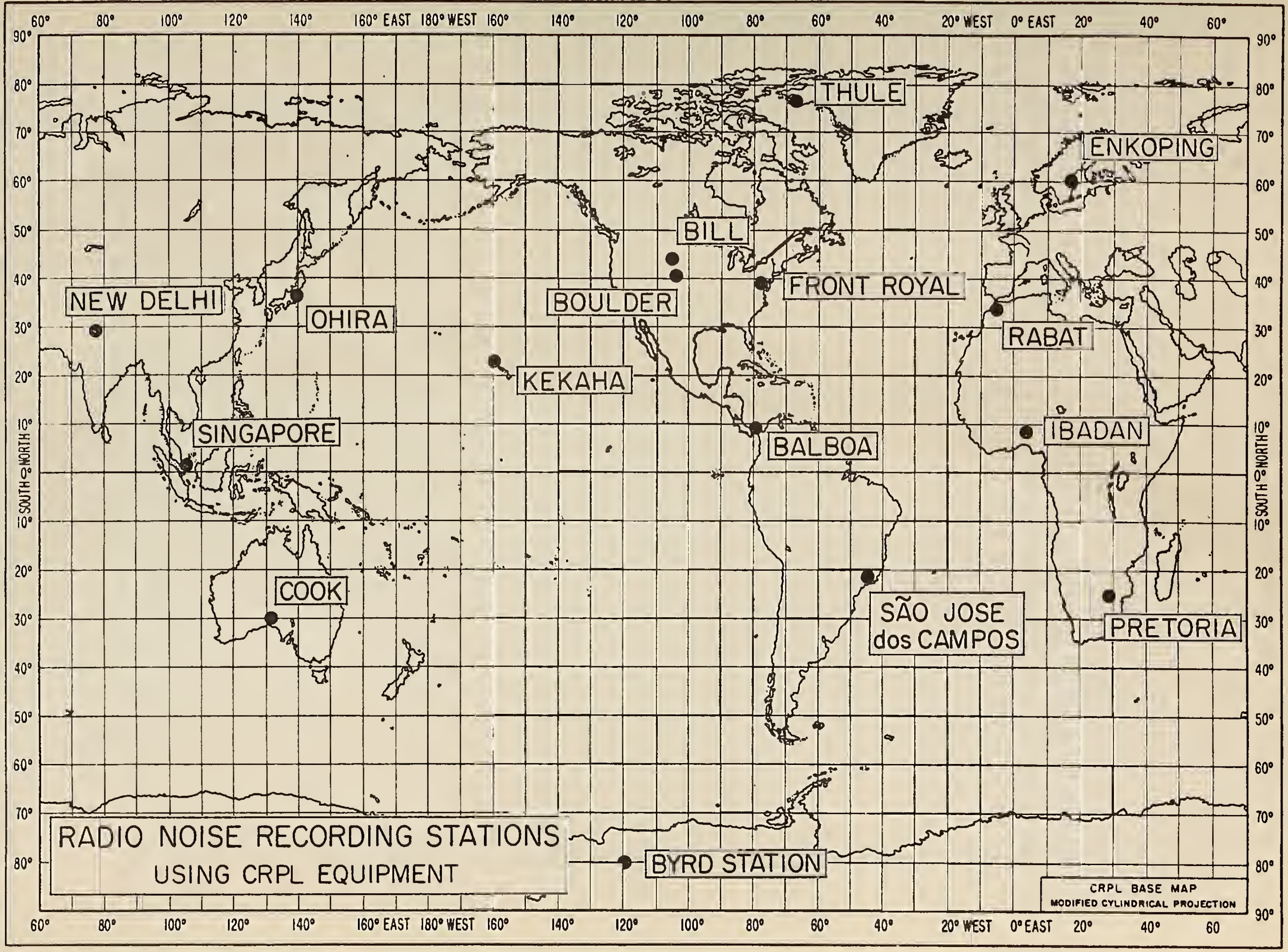
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder



RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT

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

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

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

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

f_{Mc} = Frequency in Megacycles.

Radio Noise Data for the International Geophysical Year
July 1, 1957 - December 31, 1958

by

W. Q. Crichlow, C. A. Samson, R. T. Disney, M. A. Jenkins

During the International Geophysical Year, radio noise measurements were made by a world-wide network supervised by the National Bureau of Standards (see map). The months in which usable data were obtained are shown in Table 1, and the results of the measurements are summarized in the tables that follow. Month-hour data for each station are given first, followed by the seasonal-time-block values. In order to conform to the seasonal pattern used in CCIR Report No. 65*, the data for June 1957 and January and February 1959 have been included.

The measurements were made with the National Bureau of Standards radio noise recorder, Model ARN-2, which has an effective noise bandwidth of 150 to 300 cycles per second and uses a 21.75 foot vertical antenna and elevated ground plane. Three parameters of the noise are measured: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage; however, it was not possible to equip the entire network for the latter two measurements during the IGY. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a. F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

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

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

b = Bandwidth in cycles per second.

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

A fifteen-minute recording is made on each frequency each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour. The month-hour medians, F_{am}, V_{dm}, and L_{dm} are determined from these hourly values for each of the

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*CCIR Report No. 65, "Report on Revision of Atmospheric Radio Noise Data," Warsaw, 1956 (available from the International Telecommunications Union, Geneva).

corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day, and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power, or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk (*). The upper and lower decile values of F_a are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, F_{am}, and are designated by D_u and D_ℓ, respectively. Seasonal time-block values are obtained by averaging all month-hour values for the season within a particular four-hour period of the day.

F_a in db is related to the r.m.s. field strength at the antenna by the following equation:

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

where

E_n = the equivalent vertically polarized ground wave r.m.s. noise field strength in db above 1 μv/meter for a 1 kc bandwidth.

f_{Mc} = the frequency in megacycles.

The nomogram (Fig. 1) may also be used for this conversion.

The values presented in the tables reflect the actual measured levels, and may not always indicate the uncontaminated atmospheric noise levels. Data suspected of being contaminated from man-made noise or station interference have not been deleted, except in a few cases where the interference has been nearly continuous and the source has been positively identified. For example, the 5 Mc records from Ohira and Kekaha are known to have been seriously affected at times by station interference, but are included since some uncertainty exists regarding the source and extent of the interference. Further analyses of the data, in which an attempt will be made to determine the uncontaminated atmospheric noise levels, will be published at a later date.

It was necessary to make some modifications of the standard ARN-2 installation at the Thule and Byrd Station recording sites because of limitations imposed by terrain, climatic conditions, and available housing. There is now some indication that the methods of determining the antenna losses have not been completely accurate at these two stations, particularly at 10 Mc and 20 Mc. Pending a complete study of the matter, data values tabulated for Thule and Byrd Station must be used with caution.

A fault was found in the antenna system at Pretoria on December 30, 1958 which may have affected the level of the recorded noise intermittently and in varying degrees from about mid-September to December 30, 1958. Although it is believed that the likelihood of error was greatest during December, all data obtained during this period must be considered questionable.

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

Standard time at the stations is as follows:

Station	Time Zone	To Convert LST to GMT (hours)
Balboa	75 W	+05
Bill	105 W	+07
Boulder	105 W	+07
Byrd Station	120 W	+08
Cook	135 E	-09
Enkoping	15 E	-01
Front Royal	75 W	+05
Ibadan	GMT	0
Kekaha	150 W	+10
Ohira	135 E	-09
Pretoria	30 E	-02
Rabat	GMT	0
São José dos Campos	45 W	+03
Singapore	105 E	-07
Thule	75 W	+05

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

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

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

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

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

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

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

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

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

It is planned to continue the operation of these stations during the International Geophysical Cooperation. An ARN-2 recorder has been purchased by India and will be placed in operation at New Delhi during 1959.

	1957							1958												1959	
	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Balboa								X			X	X	X	X	X	X	X	X	X	X	X
Bill		X			X			X			X	X	X		X	X	X	X	X	X	X
Boulder	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Byrd Station										X	X	X	X	X	X	X	X	X	X	X	X
Cook															X	X	X	X	X	X	X
Enkoping											X	X	X	X	X		X	X	X		X
Front Royal						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ibadan										X	X	X	X	X	X	X	X	X	X	X	
Kekaha											X	X	X	X	X	X	X	X	X	X	X
Ohira													X	X	X	X	X	X	X	X	X
Pretoria									X	X	X	X	X	X	X	X	X	X	X	X	X
Rabat										X	X	X	X				X	X	X	X	X
São José dos Campos										X	X	X									
Singapore														X	X	X	X	X	X	X	X
Thule											X	X	X	X	X	X		X	X	X	X

Table 1 - Noise Data Recorded During IGY

RADIO NOISE DATA

Station BALBOA, C.Z. Lat. 9.0 N Long. 79.5 W Type Recorder ARN-2 Month JANUARY 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{om}	130	130	132	128	131	130	130	122	111	120	113	120	120	123	126	128	126	118	128	124	128	128	128	130
D_u																	5		3		2		6	
D_ℓ																	12		9		8		7	
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	114	114	116	112	116	109	103	104	96	92	92	92	95	110	100	98	106	104	103	110	114	114	114	114
D_u																	8		2		4			
D_ℓ																	13		9		8			
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	104	106	104	100	103	99	84	92	80	80	78	73	76	78	88	86	90	81	100	96	104	92	104	93
D_u																	12		5		2			
D_ℓ																	9		10		10			
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	92	91	92	90	88	88	66	69	62	56	54	55	56	60	66	64	72	69	88	87	90	92	92	92
D_u																			4					
D_ℓ																			8					
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	60	58	62	61	59	62	52	58	61	56	56	56	61	58	58	57	59	58	64	66	67	65	66	60
D_u																		5		5		5		
D_ℓ																		3		3		3		
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	54	54	54	55	52	56	44	40	36	28	28	20	26	22	26	30	40	46	54	56	58	56	54	54
D_u																		6		4		4		
D_ℓ																		8		5		6		
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	42	38	40	36	36	36	36	34	27	20	20	16	16	18	16	26	26	39	40	40	44	39	41	40
D_u																		5		7				
D_ℓ																		5		4				
V_{dm}																								
L_{dm}																								
	Less than 15 observations except where decile values are shown.																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station BALBOA, C.Z. Lat. 9.0N Long. 79.5W Type Recorder ARN-2 Month APRIL 1958

LST	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	128	*126	*125	126	*127	*126	*124	*126	*126	*126	*125	128	128	128	130	128	130	132	131	127	130	130	130	130
D_u	12			14								10	12	14	13	20	20	22	13	14	14	13	16	17
D_ℓ	4			10								4	4	4	7	5	6	10	7	3	8	6	7	6
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	124	126	*126	*125	*124	*124	*121	*120	*122	*118	*114	118	122	122	124	120	120	123	120	122	124	124	126	124
D_u	6	2										10	10	7	10	14	19	14	13	6	3	5	4	8
D_ℓ	10	18										8	18	17	18	15	15	17	14	16	10	8	13	8
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	107	*108	*109	*109	*109	*109	*107	*111	*95	*99	*99	95	97	109	109	102	111	109	106	107	109	107	112	111
D_u	8											24	23	13	12	24	17	16	11	8	6	10	4	8
D_ℓ	10											14	18	18	28	20	26	21	14	12	14	10	12	12
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	90	89	94	88	91	94	90	96	82	91	88	84	92	96	98	96	93	96	90	96	94	94	94	94
D_u	8											24	16	16	15	17	17	13	16	9	9	14	10	10
D_ℓ	8											20	27	27	26	23	20	28	11	15	15	11	12	14
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	67	67	69	71	71	71	61	59	*59	*59	59	59	61	59	59	61	59	59	61	65	65	65	67	66
D_u	5	6	5	4	4	6	8	4			2	4	2	6	10	6	18	16	10	6	8	10	6	6
D_ℓ	11	7	7	6	6	6	12	2			8	5	7	8	4	6	2	6	2	4	4	4	7	6
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	59	61	61	61	61	61	55	49	*43	*39	35	33	35	35	39	35	39	45	53	57	59	59	59	59
D_u	4	3	4	5	4	6	6	5			6	11	7	20	18	21	24	19	9	6	8	4	5	4
D_ℓ	5	6	5	3	5	6	6	12			8	8	12	8	12	8	8	4	2	4	4	6	7	6
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	48	48	48	48	48	48	45	44	*36	*32	29	28	28	30	32	36	38	42	44	46	46	48	48	48
D_u	4	5	4	4	4	3	5	4			7	8	9	16	8	5	8	8	8	4	4	4	5	4
D_ℓ	6	6	5	6	7	9	6	14			6	6	8	10	6	6	4	6	2	4	2	4	4	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	29	29	27	28	24	25	27	*27	*26	23	25	23	23	23	25	27	27	29	29	29	29	31	30	29
D_u	6	4	6	4	8	7	5			4	2	6	8	12	9	5	5	8	3	5	4	3	3	4
D_ℓ	3	5	3	5	2	3	3			2	6	5	4	2	2	2	2	2	2	2	2	4	3	2
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station BALBOA, C. Z. Lat. 9 N Long. 79.5 W Type Recorder ARN-2 Month MAY 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc *																							
F_{am}	143	146	143	143	143	137	140	143		143	135	140	137	137	145	144	141	139	135	137	139	139	139	141
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	113 kc *																							
F_{am}	127	130	128	128	129	130	124	132	132	124	120	122	127	126	134	126	124	120	116	120	122	122	124	124
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	246 kc *																							
F_{am}	111	114	113	112	112	110	118	118	116	110	110	110	108	106	119	116	108	108	98	104	108	108	110	114
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	545 kc *																							
F_{am}	102	100	97	100	97	93	95		103	101	99	99	95	101	105	95	93	93	91	93	97	99	99	97
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	70	70	70	72	72	72	62	60	*58	58	58	60	60	60	62	66	63	60	60	68	69	70	69	68
D_u	6	6	6	4	6	5	10	8		8	7	6	11	16	18	18	21	16	10	15	4	5	6	9
D_ℓ	9	9	10	9	8	11	12	6		6	13	9	15	10	12	10	16	10	8	16	15	12	12	16
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	62	62	64	64	64	62	54	50	48	42	40	38	46	44	52	55	55	54	60	64	64	66	62	62
D_u	4	8	2	2	2	2	8	10	10	17	22	30	22	25	17	17	14	16	9	6	9	3	7	5
D_ℓ	4	4	5	4	2	3	4	4	6	7	10	8	16	15	16	13	13	7	6	5	4	6	2	4
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	49	49	49	49	47	47	43	39	37	35	35	37	37	37	42	41	43	47	47	50	53	57	49	49
D_u	2	4	2	6	5	3	5	5	6	7	6	12	10	13	13	18	9	15	9	5	6	7	9	4
D_ℓ	4	3	2	2	2	5	4	0	7	8	11	14	15	13	11	10	13	6	2	5	6	3	2	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	30	28	28	30	28	26	28	*28	28	26	28	26	26	29	34	32	32	31	32	30	30	30	30	31
D_u	6	6	6	2	3	5	5		4	4	7	8	9	10	7	13	12	15	13	10	8	10	7	6
D_ℓ	5	4	2	6	4	3	4		6	4	8	6	4	4	8	6	5	5	6	6	5	4	4	5
V_{dm}																								
L_{dm}																								

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, C. Z. Lat. 20.6 N Long. 79.5 W Month June 19 58

Frequency (Mc)

Hour (LST)	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	143	7	13			129	8	2			115	8	6			100	6	13			69	6	23			62	2	6			47	2	18			31	2	4		
01	144	4	13			131	8	4			115	9	6			100	9	6			71	3	5			64	2	4			47	2	8			29	4	4		
02	142	10	6			133	6	6			115	10	6			98	13	11			71	6	6			64	4	4			*49					30	5	5		
03	144	8	7			133	6	6			114	10	6			98	12	11			74	3	7			64	4	4			47	4	4			28	4	4		
04	144	8	16			133	8	8			117	8	8			100	12	12			71	6	7			64	2	4			45	6	2			27	6	4		
05	144	8	8			133	8	8			115	9	10			102	10	20			73	8	8			64	4	12			45	4	4			25	7	2		
06	142	8	14			131	8	13			115	12	14			91	21	15			65	9	10			58	7	8			41	10	2			27	8	4		
07	142	10	8			135	6	18			116	11	17			98	14	18			63	8	9			54	8	15			39	6	8			27	9	4		
08	142	11	14			131	10	14			113	12	18			96	13	22			61	6	8			48	12	18			*34					*26				
09	140	8	10			128	9	15			114	7	18			*102					61	7	13			45	14	15			36	9	9			25	10	4		
10	143	5	9			129	8	14			*111					97	7	11			*63					*45					*33					*25				
11	*137					*125					*113					*96					61	4	4			41	9	15			34	11	10			23	4	4		
12	140	8	10			129	12	6			116	7	11			102	11	17			*63					*42					*37					*25				
13	*145					*132					*115					*102					62	9	11			50	18	18			39	13	10			27	16	2		
14	142	8	13			133	8	14			119	9	18			101	11	27			*65					*51					*38					*30				
15	146	10	16			136	9	15			118	10	13			101	12	14			68	15	17			57	11	19			41	12	6			32	8	7		
16	145	7	17			131	8	10			117	8	19			100	8	18			64	15	6			52	12	8			42	5	15			31	6	5		
17	142	9	10			131	4	9			113	7	10			94	12	11			63	12	14			53	10	9			43	6	8			29	6	4		
18	139	10	9			127	6	10			108	13	9			93	11	13			63	9	4			60	4	6			45	8	4			31	5	6		
19	140	8	11			127	8	6			111	9	8			96	7	12			70	8	6			64	4	7			48	7	5			29	8	4		
20	142	6	16			129	7	7			112	9	7			98	8	8			69	9	18			64	4	16			47	10	18			28	6	3		
21	142	6	14			129	4	2			113	7	4			100	5	12			73	4	16			64	3	4			48	5	5			29	6	4		
22	142	4	14			129	4	4			113	10	6			100	4	8			69	6	21			60	4	19			*45					29	4	2		
23	142	7	13			131	7	4			115	6	6			100	9	7			71	5	9			62	4	6			47	2	4			29	4	4		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month July 19 58

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	147	5	4			133	6	4			119	6	6			104	7	6			73	5	3			64	3	4			50	3	2			30	6	4		
01	147	4	3			135	4	6			117	6	4			103	9	3			74	2	4			64	2	2			50	0	4			30	4	5		
02	149	4	4			135	5	4			119	6	4			104	7	4			74	3	2			64	2	3			50	2	4			28	6	4		
03	149	5	4			135	6	4			119	6	6			104	7	6			74	3	2			64	2	2			50	2	6			28	5	4		
04	149	4	4			135	6	5			118	7	5			103	9	6			74	2	2			64	2	4			48	2	6			28	9	5		
05	147	7	2			135	6	5			118	6	6			102	9	9			74	4	4			64	2	6			46	4	5			26	10	3		
06	147	5	8			135	4	9			117	8	7			104	7	13			68	5	5			58	5	4			44	4	4			28	7	4		
07	147	4	9			133	6	9			117	8	9			104	6	17			64	9	5			54	6	5			42	4	4			30	5	6		
08	147	4	10			133	4	10			117	6	12			102	8	14			64	8	7			52	9	9			40	10	8			28	6	6		
09	145	6	8			133	6	17			117	6	14			102	10	16			62	8	6			50	8	18			40	14	10			26	6	4		
10	145	4	12			133	4	15			115	8	11			102	11	24			62	6	6			48	6	18			38	14	6			26	5	4		
11	146	8	13			130	10	14			115	9	17			101	15	22			62	9	4			44	13	13			38	15	8			26	15	4		
12	143	10	8			131	9	11			116	9	13			98	16	19			60	16	3			44	21	16			42	9	11			26	15	3		
13	143	13	9			131	10	13			115	13	13			98	15	15			64	16	8			46	20	17			40	13	10			30	7	6		
14	145	7	6			133	11	8			118	13	11			107	9	21			64	13	8			50	18	11			44	13	9			34	11	9		
15	147	10	7			135	10	9			120	12	17			106	12	23			72	8	18			58	14	16			48	8	10			35	13	7		
16	147	10	8			135	8	10			118	12	15			103	11	17			65	15	9			53	17	12			48	9	7			32	11	4		
17	145	7	8			133	6	12			117	10	16			102	11	16			66	12	10			54	12	6			46	14	2			32	7	4		
18	144	5	7			129	11	7			113	9	11			99	9	13			66	7	8			60	7	5			48	4	2			32	5	6		
19	143	6	7			128	13	5			112	12	6			100	8	8			72	6	6			62	6	2			50	6	4			30	4	3		
20	143	8	4			131	9	6			114	11	5			100	11	5			74	4	6			64	3	2			50	4	2			30	8	4		
21	143	9	3			129	9	2			115	10	4			102	8	4			74	4	6			64	4	2			50	2	3			30	8	4		
22	145	6	4			131	9	4			117	9	6			102	9	5			72	5	3			64	2	4			50	2	3			30	7	4		
23	146	8	3			133	9	4			117	8	5			102	7	4			73	5	3			62	4	2			50	3	4			30	5	5		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, C. Z. Lat. 9.0 N Long. 79.5 W Month August 19 58

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	143	7	3			131	6	6			113	10	7								70	3	6			63	2	3			48	1	3			31	9	2		
01	145	5	5			131	6	6			115	7	8								71	2	6			63	2	2			48	0	3			31	9	5		
02	145	6	4			132	7	7			117	7	9								71	4	4			63	2	2			46	2	1			29	8	4		
03	145	6	4			133	6	6			117	7	9								73	2	4			63	2	2			46	2	1			29	8	4		
04	145	8	4			133	7	8			114	10	9								73	3	4			63	4	0			46	2	2			27	10	4		
05	147	4	6			133	6	6			115	8	10								71	6	4			63	2	2			44	3	2			27	9	4		
06	145	7	6			135	4	13			116	7	13								65	6	9			57	3	4			42	2	2			29	9	4		
07	143	8	7			132	7	11			114	11	10								59	10	5			51	7	8			38	4	4			31	12	4		
08	143	8	6			129	10	10			110	14	15								59	10	2			49	10	14			34	8	5			31	12	6		
09	143	8	10			129	10	14			112	12	20								59	10	2			43	14	14			32	12	6			31	12	6		
10	141	8	8			129	8	14			114	10	18								61	10	4			42	17	19			32	12	12			29	12	4		
11	140	10	8			126	9	15			112	13	16								59	12	3			38	20	17			32	10	10			31	10	6		
12	141	10	8			129	10	13			115	10	16								61	16	6			47	16	25			32	10	12			33	14	8		
13	143	10	8			129	12	10			112	16	16								63	20	8			43	26	18			32	10	6			34	9	7		
14	143	8	4			131	10	10			116	10	14								64	13	7			47	24	18			38	10	8			34	11	5		
15	145	8	6			133	8	10			118	8	14								63	16	6			51	16	20			38	10	8			35	8	6		
16	145	4	6			131	8	11			112	9	12								62	11	5			50	13	15			39	6	3			33	10	2		
17	141	9	2			127	10	8			108	17	9								59	12	4			50	10	7			44	3	4			33	11	2		
18	141	9	2			127	10	10			110	12	12								61	10	4			57	10	3			46	4	2			33	11	2		
19	139	10	2			127	8	6			110	14	8								67	8	5			63	2	3			48	2	2			35	8	4		
20	143	7	6			129	9	7			111	13	7								69	5	2			63	3	2			48	0	2			33	12	6		
21	142	7	3			129	7	5			112	9	6								69	4	4			63	3	4			48	0	2			33	8	4		
22	143	4	5			131	7	7			112	9	8								69	4	6			61	4	0			46	3	0			33	8	4		
23	143	8	5			131	7	6			112	11	5								69	6	4			63	2	2			48	1	2			33	8	5		

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

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, C. Z. Lat. 9.0N Long. 79.5 W Month September 19 58

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	145	6	4			134	5	7			101	2	10								71	4	4			62	4	1			48	3	2			35	4	6		
01	149	4	8			137	6	10			101	6	10								71	5	3			62	5	2			48	2	2			31	5	4		
02	149	3	8			135	6	8			99	6	6								72	5	3			63	5	3			46	3	3			29	7	6		
03	149	3	7			135	6	8			99	8	6								73	4	5			62	4	2			44	6	4			27	9	4		
04	149	4	8			136	5	10			99	6	8								73	5	4			62	5	2			46	2	7			27	10	4		
05	149	4	9			137	4	8			99	8	6								73	4	4			62	4	4			44	4	6			27	10	4		
06	147	6	6			137	3	8			101	4	8								66	5	6			56	4	4			42	2	2			31	7	4		
07	147	5	8			135	6	10			99	6	17								63	5	5			53	6	8			42	3	4			33	8	6		
08	149	10	12			133	5	14			99	6	19								61	6	4			48	10	12			36	10	4			32	7	5		
09	147	7	14			132	7	18			97	8	24								63	5	6			42	12	10			34	8	10			29	8	4		
10	143	8	10			131	9	19			97	6	24								61	6	4			42	12	15			31	7	11			27	8	2		
11	141	12	8			127	12	12			93	14	21								61	10	4			40	20	16			28	16	6			26	15	3		
12	140	14	3			129	14	12			95	18	17								61	18	4			39	29	17			32	22	12			31	14	6		
13	143	12	8			130	15	12			97	12	14								65	20	10			50	18	24			37	13	11			35	4	8		
14	147	6	8			135	7	12			103	11	21								64	17	7			52	16	16			38	16	9			36	13	7		
15	147	10	13			135	7	17			101	8	18								68	17	9			54	14	18			40	10	8			35	6	4		
16	145	8	6			129	12	9			97	8	17								63	14	6			46	15	7			41	4	6			35	6	2		
17	145	6	6			130	11	12			93	13	14								61	9	4			52	10	8			44	4	3			35	6	4		
18	143	8	5			127	10	7			91	14	4								63	13	6			60	4	4			48	2	2			33	7	1		
19	143	12	4			129	12	6			95	12	6								69	7	6			62	4	3			48	3	2			35	6	4		
20	143	10	2			130	11	3			95	10	4								69	6	4			62	3	3			48	2	2			33	9	2		
21	145	6	4			131	6	4			97	6	6								69	5	4			62	2	4			48	0	2			35	3	4		
22	145	6	6			131	8	6			97	6	4								69	7	4			62	3	2			48	2	2			35	7	4		
23	145	6	6			133	4	8			97	6	6								69	7	3			62	3	2			48	2	2			33	8	2		

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

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, C. Z. Lat. 9.0 N Long. 79.5 W Month October 19 58

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	143	5	5			128	8	4			112	8	6								71	2	12			62	3	4			47	4	4			31	4	6		
01	143	6	5			128	6	3			112	6	6								71	3	8			63	2	5			47	2	4			29	4	6		
02	143	7	3			130	7	5			112	8	3								71	4	6			63	3	5			45	2	4			25	7	2		
03	143	6	4			129	5	6			112	6	6								71	4	5			61	4	3			43	4	4			23	4	1		
04	143	5	6			129	7	4			110	8	4								71	4	8			61	2	4			43	2	8			23	5	2		
05	143	6	5			128	6	6			110	10	9								71	3	8			61	4	4			41	4	5			25	4	2		
06	139	8	7			126	9	13			106	10	24								59	7	11			53	4	8			41	2	3			29	7	2		
07	137	9	7			124	8	14			106	10	19								57	4	2			45	5	8			39	2	6			29	4	2		
08	135	8	8			116	14	10			97	15	17								59	4	6			36	11	7			33	8	8			29	8	4		
09	133	10	8			116	16	10			94	20	10								57	4	4			31	16	6			29	6	4			25	8	4		
10	135	8	8			121	8	17			98	16	18								57	4	4			32	17	11			27	8	8			25	9	4		
11	135	4	6			122	4	14			99	17	17								58	1	3			32	16	14			25	12	4			25	6	3		
12	135	8	4			121	11	11			100	18	14								59	2	4			33	14	13			27	12	6			27	6	2		
13	137	11	3			122	12	10			108	12	11								59	7	4			37	19	13			33	16	6			31	10	4		
14	141	14	6			128	14	14			110	16	11								61	22	4			47	22	24			36	15	7			33	8	4		
15	141	14	6			126	16	6			110	16	13								63	20	8			41	26	12			39	10	6			33	10	4		
16	139	14	5			124	14	7			106	18	10								59	18	4			43	24	8			41	10	4			33	16	2		
17	137	15	2			122	17	6			100	25	4								57	22	4			52	16	5			45	9	2			33	6	2		
18	139	10	4			124	12	4			108	11	6								63	10	5			61	5	4			47	4	3			33	6	2		
19	141	8	6			125	9	3			110	7	4								67	11	6			61	4	6			47	3	4			31	3	2		
20	141	7	2			126	8	3			112	8	5								67	4	6			61	4	6			47	2	4			31	4	4		
21	143	4	6			128	7	5			112	8	5								66	6	4			61	6	5			47	2	4			31	2	4		
22	143	5	6			128	8	6			112	8	5								66	5	5			61	2	6			47	2	2			31	4	4		
23	143	5	4			129	6	5			112	10	4								69	4	8			61	6	6			47	2	2			31	4	4		

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

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, C. Z. Lat. 9.0 N Long. 79.5 W Month November 19 58

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	138	5	8	11.5	21.5	125	6	8	11.0	17.0	109	7	6	9.5	18.0						66	2	8	6.5	12.0	59	2	5	5.5	11.0	43	4	2	6.0	10.5	27	3	3	3.5	7.5
01	139	7	8	11.5	22.0	125	7	8	11.0	16.5	109	7	6	9.5	17.5						66	4	7	8.0	14.0	59	3	4	6.5	10.5	43	4	6	8.0	12.0	25	4	2	3.0	5.5
02	139	6	8	15.0	23.0	127	4	10	13.0	20.5	111	4	9	10.5	19.0						66	4	7	7.5	14.0	57	4	2	6.0	10.5	41	2	5	6.0	9.5	25	4	2	2.5	5.0
03	139	8	6	14.0	23.5	126	8	8	12.0	19.5	111	7	6	10.0	18.0						66	4	6	6.5	12.5	57	4	3	6.5	10.5	37	6	5	6.0	9.5	25	3	2	3.0	4.5
04	141	6	10	15.5	24.5	127	6	9	11.5	20.5	109	8	6	12.5	22.0						66	4	7	8.0	13.5	57	3	4	6.5	11.0	37	4	5	6.0	9.5	25	2	2	1.5	3.5
05	139	6	11	16.0	24.5	122	11	4	13.5	20.0	106	9	7	15.0	22.5						64	6	9	8.5	14.5	57	4	4	7.0	12.0	39	3	6	6.0	9.5	25	2	2	2.5	4.5
06	134	11	9	16.5	26.5	117	14	15	18.0	28.0	96	16	22	15.5	28.5						55	9	7	11.5	19.0	53	4	6	7.0	11.5	39	6	4	6.5	10.5	27	6	2	4.0	6.0
07	129	17	9	18.0	26.5	109	19	19	20.0	30.0	83	31	15	18.5	28.5						54	7	18	6.0	10.0	41	9	10	10.0	14.5	35	8	6	8.0	12.5	29	4	4	6.0	9.0
08	127	16	10	18.0	27.5	103	24	10	18.0	28.0	83	29	13	11.0	17.0						52	8	20	5.5	11.0	33	14	8	11.5	16.5	27	10	8	7.0	14.0	27	4	4	3.5	6.5
09	122	14	7	16.0	25.5	103	26	16	15.0	21.0	77	30	6	10.5	16.5						47	9	17	6.0	14.0	25	23	6	6.5	9.5	21	14	6	7.0	10.5	25	4	4	5.0	7.5
10	125	18	8	18.5	28.5	103	30	12	16.0	26.0	81	36	10	15.5	22.5						50	10	18	6.0	12.0	22	25	5	10.0	14.0	17	20	6	10.0	11.5	23	6	2	5.0	8.0
11	126	17	7	17.0	26.0	103	26	10	18.5	27.5	81	32	8	10.5	18.0						54	6	24	6.0	11.0	21	24	4	7.5	10.0	21	13	7	7.5	10.5	23	6	2	5.0	8.5
12	129	13	5	13.5	21.5	109	20	14	18.5	26.5	89	28	12	11.0	17.0						51	9	19	6.0	10.5	22	30	5	4.0	6.0	24	11	8	8.0	12.0	27	4	4	6.0	10.0
13	133	12	8	12.5	20.5	115	18	14	16.0	25.5	93	24	12	14.0	25.0						54	14	26	6.0	11.5	27	32	8	7.0	10.0	29	8	10	7.5	11.5	29	5	5	5.5	8.5
14	136	11	11	14.5	23.5	119	18	9	16.0	26.0	101	20	22	17.5	30.0						56	12	24	6.0	10.5	34	24	16	8.5	13.0	35	10	12	7.0	11.0	31	4	4	4.5	8.5
15	135	14	12	15.0	21.5	123	12	20	17.5	28.0	102	17	21	19.0	28.0						56	14	24	6.5	14.0	41	18	16	9.0	14.5	35	10	8	7.5	11.5	31	4	4	4.0	8.0
16	135	8	9	14.5	22.5	119	14	15	15.5	24.5	97	22	12	16.0	25.5						56	8	22	4.5	9.0	43	14	6	7.0	11.0	41	11	7	6.0	10.5	31	6	4	4.0	6.0
17	133	10	10	13.5	20.0	117	11	15	17.0	26.0	97	19	14	17.0	26.0						54	7	18	6.0	10.5	55	3	8	7.0	11.5	43	5	4	6.0	9.5	31	4	3	4.0	6.0
18	131	8	10	12.5	20.0	117	10	9	10.5	17.0	103	11	9	8.5	18.0						59	6	8	6.0	9.5	61	4	5	4.0	9.5	45	2	4	5.0	8.5	29	4	2	4.0	7.0
19	134	7	8	12.0	19.0	119	10	8	9.0	15.5	104	9	9	8.5	16.0						62	6	7	6.0	10.0	59	3	4	6.0	10.0	45	2	5	5.5	8.0	29	3	2	4.0	7.5
20	135	8	6	12.5	20.0	120	9	9	9.0	15.0	105	8	9	8.0	16.0						61	8	6	6.5	10.0	59	2	3	7.5	11.5	43	3	2	6.0	9.0	29	2	3	4.0	7.0
21	135	6	11	11.5	22.0	121	7	7	10.0	16.5	107	6	8	8.0	15.5						61	7	6	6.0	9.5	60	4	5	7.5	11.5	43	4	4	6.0	9.0	29	2	3	4.0	6.0
22	135	6	12	12.0	20.5	123	5	12	12.0	17.5	107	6	9	9.5	16.0						61	7	7	6.5	11.0	57	4	4	6.0	10.0	43	4	4	6.0	9.5	27	4	2	4.0	6.5
23	135	6	8	12.5	21.0	122	8	8	10.5	17.5	108	5	8	8.5	15.5						62	6	7	6.5	11.5	57	4	4	6.0	9.5	43	4	4	6.0	10.5	27	4	2	4.5	7.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 79.5 W Long. 9.0 N Month December 19 58

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	131	9	6	12.0	20.0	117	10	6	9.5	14.0	105	8	6	9.0	14.5						58	7	4	8.0	14.0	54	5	5	5.0	9.5	41	4	5	6.0	9.5	24	4	2	2.5	4.0
01	131	9	4	10.0	17.0	119	8	7	8.0	14.0	105	7	4	8.5	16.0						60	7	6	8.0	13.0	55	4	7	6.0	9.5	39	4	2	6.0	10.0	24	5	2	2.0	4.5
02	131	9	6	10.5	18.0	117	10	6	8.5	14.0	105	8	4	8.5	14.0						60	9	5	7.5	15.0	55	4	6	6.0	10.0	38	5	5	5.0	8.5	24	4	2	2.5	4.0
03	133	8	5	10.0	17.5	117	12	2	9.5	15.0	105	9	6	9.0	17.0						60	9	4	8.0	16.0	55	4	7	5.0	9.5	35	5	4	4.5	8.0	24	2	2	2.5	4.0
04	133	8	5	10.5	17.5	119	11	8	10.0	15.0	105	10	7	10.0	19.5						60	8	4	9.0	16.0	53	5	6	5.5	9.5	35	6	6	4.0	7.5	24	2	2	1.0	2.5
05	133	9	6	10.5	17.0	119	8	8	10.0	16.0	101	13	8	11.0	19.5						61	7	8	9.5	18.0	57	10	8	4.0	9.0	35	7	5	4.5	8.0	24	2	2	2.0	3.5
06	129	12	4	11.5	19.0	113	14	13	11.5	21.5	87	24	10	10.5	18.0						55	11	11	11.5	19.5	55	6	5	5.5	9.5	39	5	4	6.0	10.5	26	2	2	3.0	5.0
07	125	10	6	12.5	21.5	103	20	16	15.5	23.5	87	22	16	16.0	28.0						44	12	15	9.0	15.0	41	10	8	9.5	14.0	33	7	4	7.5	12.5	28	2	4	2.5	5.5
08	123	10	8	17.5	26.0	101	20	18	15.5	24.0	83	24	12	16.0	28.0						34	14	10	7.0	12.0	33	12	15	10.5	16.0	27	10	6	10.5	16.5	26	4	4	3.0	5.0
09	123	12	10	14.0	24.5	99	20	16	14.5	22.5	77	26	6	9.0	16.5						34	11	10	4.0	6.0	27	16	10	10.0	14.5	21	10	6	6.5	9.0	24	2	3	4.0	6.5
10	121	12	6	13.5	22.5	98	19	11	11.0	15.5	79	25	8	7.5	14.0						32	8	11	2.5	4.0	21	11	4	5.5	8.0	18	9	6	6.0	10.0	23	4	3	3.0	5.0
11	123	14	6	11.0	18.5	98	19	15	9.0	16.0	80	26	11	7.5	14.0						31	16	9	5.5	7.5	19	16	4	6.5	10.0	16	14	3	8.0	10.5	22	4	2	3.5	5.5
12	127	10	8	11.0	18.5	105	12	14	9.5	16.5	81	26	10	6.0	11.0						32	17	9	4.5	7.5	17	18	4	8.5	13.5	19	8	8	8.0	12.0	22	6	2	3.0	5.0
13	127	5	6	9.0	15.5	105	12	14	8.5	14.0	85	18	10	8.5	14.0						28	12	6	5.5	8.5	21	9	8	5.5	8.0	21	6	6	7.5	11.5	24	6	2	3.5	6.0
14	129	6	8	8.5	16.0	106	13	11	10.0	19.5	86	17	11	7.0	11.5						30	20	8	6.0	9.5	23	12	8	8.0	11.0	27	2	8	7.0	11.0	26	2	2	4.0	6.5
15	127	6	4	10.0	16.0	109	10	14	9.5	15.0	90	13	11	12.0	18.5						32	8	8	7.0	12.0	29	10	8	8.0	13.0	31	6	6	7.5	12.0	26	4	0	3.0	5.5
16	129	4	10	10.0	17.0	107	11	10	12.0	20.0	91	11	10	10.0	17.0						34	8	9	8.5	12.0	41	6	11	7.5	12.5	35	8	5	5.0	8.5	28	2	2	3.5	5.5
17	125	8	6	12.5	21.5	107	11	13	12.5	20.0	93	10	8	11.5	20.0						42	9	10	6.5	10.5	53	6	8	8.0	15.5	37	6	2	5.5	9.0	28	2	2	3.0	5.0
18	126	8	5	12.5	20.0	111	14	8	9.5	14.5	99	7	5	8.5	18.0						54	6	9	8.0	12.5	61	2	8	7.0	10.5	41	2	5	5.5	8.5	26	4	3	3.0	4.5
19	129	5	6	11.5	21.0	115	7	8	8.5	14.0	101	10	7	9.5	17.5						57	7	9	8.0	14.0	57	6	8	5.0	8.5	40	5	3	5.0	8.5	26	4	3	3.0	5.0
20	129	9	6	11.5	18.0	115	7	6	8.0	13.0	101	7	7	7.0	15.0						58	8	8	7.5	13.0	61	7	8	6.5	12.0	41	4	6	5.5	8.0	26	4	4	2.5	4.5
21	130	5	7	10.0	18.0	115	8	6	8.0	13.5	101	8	6	7.5	14.5						56	9	6	6.5	11.5	59	7	6	10.0	15.5	41	2	5	5.0	8.5	26	3	2	3.0	5.0
22	131	6	8	9.5	17.0	117	6	8	8.0	12.0	103	9	6	9.5	14.0						58	7	6	7.5	12.5	53	8	5	5.5	8.5	41	2	4	5.5	10.0	26	2	3	2.5	4.5
23	131	5	8	11.0	19.0	116	9	5	8.5	14.5	101	12	3	9.0	15.0						58	8	6	8.0	12.5	53	5	5	5.5	9.0	41	2	4	5.0	8.5	26	2	2	2.5	5.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month January 19 59

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	128	4	5	9.5	18.0	111	6	4	5.0	8.5	99	4	5	7.5	14.5						53	6	5	6.5	12.5	52	6	5	*5.5	*10.0	39	4	4	*7.0	*11.0	24	2	2	2.5	4.0
01	128	5	5	10.0	18.0	111	6	3	5.0	7.5	99	4	6	7.0	13.0						54	6	6	6.5	120	53	5	4	6.5	10.5	41	4	4	6.0	10.5	22	4	0	2.0	4.0
02	128	5	5	8.5	15.0	111	6	3	6.0	8.5	97	6	5	7.5	13.5						54	4	6	7.5	12.0	54	4	5	6.5	11.5	37	4	3	4.5	8.5	22	4	0	1.5	3.0
03	128	4	4	8.5	17.5	111	6	3	6.0	8.5	97	6	5	7.0	13.0						56	2	8	6.0	12.0	52	5	2	5.0	10.5	35	5	4	5.0	9.0	21	3	1	1.5	3.0
04	128	6	4	10.5	18.0	111	6	4	8.0	12.0	97	6	10	10.5	20.0						54	5	6	8.5	14.0	52	5	4	4.5	8.0	35	4	6	4.5	7.0	22	2	0	1.5	2.5
05	128	3	5	9.5	15.5	109	6	4	8.0	12.5	92	9	9	11.0	18.5						54	4	4	8.0	14.0	55	3	5	*5.5	*8.0	35	4	5	5.0	8.0	22	2	0	1.5	2.5
06	124	9	3	10.0	16.5	99	12	8	16.0	24.5	79	13	8	16.0	24.0						46	10	6	8.0	13.5	54	8	3	*12.0	*18.0	37	7	2	*4.0	*7.0	22	2	0	2.5	4.0
07	120	5	3	11.5	19.0	91	10	8	10.0	15.0	71	10	2	8.5	14.0						36	4	9	6.5	10.5	41	5	4	*8.5	*14.0	35	6	4	4.5	8.5	24	2	2	2.0	4.0
08	114	6	6	13.0	21.5	87	8	6	*9.0	*15.0	75	8	6	*9.0	*14.0						26	6	2	3.5	5.5	29	7	5	7.5	11.5	25	8	4	7.0	11.0	24	2	4	3.5	5.0
09	113	7	5	15.5	24.0	89	6	6	*6.5	*12.0	73	4	4	8.0	13.0						22	10	2	3.5	5.5	22	8	4	5.5	8.0	17	7	6	6.5	9.5	22	4	2	2.5	5.0
10	113	11	7	16.0	26.0	88	11	9	7.0	13.0	71	6	2	8.5	12.0						24	10	2	3.5	5.5	20	4	2	6.0	8.5	15	4	4	6.0	7.5	20	4	2	2.0	4.0
11	115	7	7	16.0	25.5	89	8	8	*6.5	*12.0	71	7	2	8.0	12.5						26	6	4	6.0	8.0	20	2	4	6.0	8.0	13	8	2	*5.0	*6.5	20	2	2	2.5	5.0
12	120	8	10	13.5	22.0	92	9	13	10.0	16.0	71	8	2	8.0	14.0						24	2	4	4.0	6.0	20	4	6	*5.0	*8.0	13	9	2	5.0	8.0	19	7	1	3.5	6.0
13	122	6	6	12.0	20.0	92	9	13	7.5	12.0	73	8	4	7.5	13.0						24	2	4	4.5	7.0	18	4	2	4.5	6.5	15	6	4	5.0	8.0	22	2	2	3.5	5.5
14	122	6	4	10.0	18.0	94	9	9	8.0	12.5	75	5	4	8.0	12.5						24	4	4	5.0	8.0	20	4	4	7.0	10.5	17	7	2	5.0	9.0	22	4	2	3.5	6.0
15	124	4	8	10.0	17.0	92	10	7	7.0	13.0	75	11	4	8.0	14.0						24	5	4	4.0	6.0	24	6	6	*7.0	*11.5	25	7	6	7.5	11.0	24	4	2	3.5	6.0
16	122	5	8	10.5	18.5	93	8	8	8.0	12.5	75	13	4	8.5	14.0						24	5	2	4.0	6.5	30	9	6	*5.0	*9.0	31	6	5	4.5	7.0	26	2	2	3.5	5.5
17	120	5	10	11.5	19.5	95	9	6	9.0	15.0	79	9	6	9.5	14.5						34	6	4	4.5	8.0	40	8	4	*6.5	*11.0	37	6	3	5.0	8.0	26	4	2	4.0	6.0
18	120	5	6	12.5	20.5	103	7	5	5.5	9.5	93	6	5	9.0	16.0						44	7	5	5.0	8.5	56	7	8	*8.0	*12.5	39	4	3	4.5	7.5	26	4	2	3.5	5.5
19	124	5	6	11.5	19.5	109	4	4	6.0	10.0	95	6	4	8.5	16.0						48	6	5	6.0	10.0	55	5	6	5.0	8.0	41	4	4	3.0	6.0	24	6	0	3.0	5.0
20	126	6	6	11.0	19.0	109	6	4	4.0	6.5	95	6	6	8.5	16.0						50	5	4	5.5	9.0	56	4	8	5.0	8.0	41	5	4	2.5	5.5	24	4	2	3.0	5.0
21	126	7	4	10.5	18.0	109	6	2	4.5	7.5	97	4	7	9.5	17.5						50	4	3	5.5	10.0	58	4	8	5.5	10.0	41	2	6	*6.0	*9.0	24	3	2	3.5	5.5
22	126	5	4	10.0	18.0	111	3	6	5.5	7.5	96	7	3	8.5	16.0						52	4	4	6.0	10.0	54	3	5	3.5	6.0	39	4	4	*7.5	*12.0	24	4	2	3.0	4.5
23	127	3	5	10.0	18.0	111	4	6	7.0	10.0	98	4	4	9.0	15.0						52	5	4	5.5	11.0	52	5	5	5.5	8.5	41	3	4	*6.0	*8.5	24	2	2	3.5	5.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month February 19 59

Hour (LST)	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	124	6	4	11.0	20.0	111	6	4	5.5	8.5	97	10	8	8.0	14.0						54	8	6	7.5	12.5	54	5	5	*7.0	*12.0	41	4	3	*5.5	*10.0	23	4	0	2.0	4.0
01	124	7	4	11.0	19.5	111	8	4	6.0	8.0	96	11	7	9.5	15.0						56	7	8	7.5	14.5	55	4	4	*7.5	*12.0	41	5	3	*7.5	*12.0	23	1	2	2.0	4.0
02	125	7	4	11.0	18.5	113	6	6	6.0	9.0	97	10	8	8.0	14.0						56	9	6	8.0	14.0	55	4	4	7.0	12.0	39	4	3	*8.0	*12.0	23	1	1	1.5	3.5
03	126	7	6	11.5	20.0	112	8	7	5.5	7.5	97	10	9	8.0	15.0						56	10	8	8.5	17.0	55	4	4	*6.5	*11.5	39	4	6	*6.5	*10.0	23	1	0	1.5	3.5
04	126	9	6	11.0	19.0	111	11	6	7.5	9.0	97	10	15	10.0	15.5						54	12	6	8.0	14.0	54	5	5	6.0	10.0	40	5	10	*4.5	*8.0	23	1	0	1.5	3.5
05	126	9	6	11.5	19.5	111	12	6	4.5	7.0	93	14	20	12.0	20.5						54	12	13	10.0	18.5	53	6	3	*6.0	*9.5	37	6	7	*4.0	*7.0	23	2	0	1.5	3.5
06	124	10	2	11.5	18.5	100	16	8	13.5	20.0	80	23	11	*8.5	*13.5						51	13	10	10.0	18.5	55	4	4	*6.0	*10.0	39	8	2	*5.0	*8.0	23	2	0	2.5	4.0
07	119	9	3	12.5	21.0	93	22	8	9.0	16.0	75	24	6	8.5	12.5						40	13	12	11.0	15.0	39	7	4	*8.5	*15.5	41	6	10	*4.5	*8.5	25	2	2	4.0	6.0
08	112	14	6	13.5	21.0	95	18	10	7.5	11.5	76	28	7	*10.0	*14.5						28	16	4	*10.0	*14.5	29	12	8	*11.5	*16.5	32	7	7	*7.0	*10.0	23	6	2	4.0	7.0
09	113	17	13	15.0	21.0	97	18	10	6.5	10.0	81	15	10	9.0	14.5						26	13	4	8.0	13.5	25	10	6	*11.0	*16.5	21	12	4	8.0	13.0	23	4	4	5.0	7.0
10	114	13	10	16.5	25.5	95	18	8	7.0	12.0	76	18	5	8.0	13.0						26	9	4	8.5	11.5	24	3	5	*10.0	*13.5	19	10	2	*9.5	*14.0	21	4	2	4.0	6.0
11	116	12	8	13.0	23.0	95	16	6	8.5	14.0	75	14	4	7.0	11.0						26	6	2	*9.0	*12.0	21	4	2	8.5	12.0	19	6	4	*10.5	*14.0	21	2	2	4.5	8.0
12	116	10	4	14.5	21.0	95	12	8	8.0	14.0	74	16	3	7.5	13.0						26	8	4	4.5	8.0	21	4	4	*9.0	*11.5	17	6	2	7.5	11.0	21	4	2	*4.5	*7.5
13	120	10	4	10.5	18.5	95	18	6	8.0	13.5	75	18	4	8.5	13.5						26	4	4	*6.0	*8.5	21	4	4	*5.5	*9.0	19	8	8	7.5	12.5	23	4	2	3.5	6.0
14	122	8	6	10.5	17.5	99	14	8	8.5	14.0	77	16	4	9.0	14.0						25	9	3	*6.0	*8.0	21	6	4	*7.0	*9.5	20	9	5	8.0	11.5	25	2	4	4.0	6.5
15	122	8	4	10.0	17.0	99	10	8	9.0	14.0	79	13	6	8.0	14.0						25	9	3	5.0	7.0	24	10	1	6.0	10.0	25	8	6	7.0	11.0	25	4	2	4.0	7.0
16	122	6	6	10.0	17.5	100	7	11	9.0	15.0	82	10	9	11.0	18.5						24	8	3	3.5	6.0	29	9	8	*7.5	*11.0	33	5	6	5.5	9.5	27	2	2	3.5	6.0
17	122	4	8	10.5	18.0	99	7	12	10.5	16.5	81	13	9	10.5	19.0						30	10	3	4.0	7.0	41	9	6	*7.5	*13.0	39	8	3	*6.0	*10.0	27	2	2	4.0	6.0
18	120	6	8	13.0	21.0	105	8	10	11.0	15.5	93	8	7	10.0	17.0						45	10	6	5.5	8.5	59	2	5	*5.0	*9.0	41	6	2	*6.0	*10.0	27	4	2	4.0	6.0
19	124	8	7	10.0	16.5	111	7	7	7.5	12.5	97	8	8	9.5	17.5						55	8	8	5.5	10.0	59	4	3	*6.0	*9.0	41	4	2	*6.0	*9.5	27	4	2	4.0	6.0
20	126	4	8	9.0	16.0	111	7	7	6.0	11.5	98	7	8	10.0	15.5						56	8	9	5.0	9.5	58	5	3	*7.0	*12.0	41	2	4	*4.0	*7.5	25	4	2	4.0	6.0
21	125	7	8	11.5	18.5	111	7	6	6.0	12.0	97	10	9	8.5	15.5						56	7	11	5.5	9.5	59	5	4	8.5	12.0	41	3	4	*4.5	*8.5	25	4	2	2.5	4.5
22	126	8	10	10.0	17.5	112	8	8	6.5	10.5	98	10	10	6.5	12.5						56	7	10	6.0	10.0	55	4	6	*4.0	*8.0	41	4	3	*7.0	*12.0	25	2	2	3.0	5.0
23	126	5	8	10.5	18.0	111	9	6	6.0	9.5	98	9	8	8.0	14.5						54	9	10	6.0	12.0	53	6	4	6.5	11.0	41	5	2	*6.5	*10.5	25	4	2	3.0	5.5

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

RADIO NOISE DATA

Station Bill, Wyoming Lat. 43.2° N Long. 105.2° W Type Recorder ARN-2 Month July 19 57

	Local Mean Time																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	*143	*142	*141	*141	*137	*136	*135	*133	*132	*127	*131	*135	*139	*142	*142	*142	143	*143	143	145	145	145	145	143
D_u																	10		8	4	4	4	2	4
D_ℓ																	6		8	12	10	8	8	8
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	*127	*126	*126	*123	*119	*115	*113	*110	*109	*103	*111	*121	*119	*123	*124	125	125	*128	127	129	127	129	127	127
D_u																10	12		10	8	8	4	4	4
D_ℓ																12	12		12	12	6	8	8	10
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	*112	*110	*109	*104	*100	*98	*92	*92	*91	*84	*96	*94	*109	*113	*112	114	112	*114	112	*116	114	112	112	112
D_u																8	12		12		8	8	4	4
D_ℓ																20	22		20		10	6	8	8
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	*92	*90	*90	*80	*66	*68	*68	*66	*68	*68	*74	*84	*96	*92	*98	*98	*97	*96	*96	*94	*92	*90	*93	*94
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	73	74	72	72	60	42	34	24	21	*21	*26	*36	*55	*61	*58	63	61	59	57	61	69	71	71	71
D_u	4	3	7	5	7	16	14	9	10							14	15	8	17	13	4	6	6	6
D_ℓ	7	11	7	9	9	15	12	5	4							38	40	28	17	12	10	8	8	6
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	66	66	64	64	58	50	42	32	26	*23	*24	*31	*40	*40	*44	47	48	52	54	60	66	66	66	66
D_u	4	4	6	4	2	4	6	10	12							13	8	4	8	2	2	4	4	4
D_ℓ	4	4	4	6	6	15	16	10	6							23	28	18	14	10	8	4	4	4
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	49	48	46	45	44	45	41	37	*33	*29	*33	*30	*37	*37	39	41	41	45	47	51	53	53	51	51
D_u	6	5	7	4	5	4	6	4							8	6	6	5	4	2	2	2	4	5
D_ℓ	6	4	3	2	3	8	10	8							10	8	4	6	4	5	6	4	7	8
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	27	28	27	28	27	28	28	28	*27	*26	*26	*26	*28	*27	28	28	28	30	33	31	30	28	27	28
D_u	4	3	4	3	4	6	6	5							6	6	7	6	3	3	4	4	5	5
D_ℓ	3	4	3	4	3	4	3	4							3	4	3	5	8	6	4	3	3	4
V_{dm}																								
L_{dm}																								

Table 1

RADIO NOISE DATA

Station Bill, Wyoming Lat. 43.2° N Long. 105.2° W Type Recorder ARN-2 Month October 1957

	Local Mean Time																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51kc																							
F_{am}	130	131	130	129	128	126	123	119	115	117	116	118	119	120	122	125	126	128	128	130	130	130	128	128
D_u	7	7	8	7	6	8	9	11	13	10	14	12	13	9	8	7	7	8	7	6	8	9	9	9
D_ℓ	8	8	8	7	6	8	8	9	7	14	14	12	15	14	15	16	15	5	10	9	9	8	6	6
V_{dm}																								
L_{dm}																								
	113kc																							
F_{am}	114	114	113	115	111	108	101	94	89	87	90	90	97	94	104	105	106	108	112	114	114	114	112	112
D_u	8	8	7	5	7	8	10	14	16	19	18	18	13	16	8	17	8	9	9	6	8	9	10	10
D_ℓ	9	8	11	12	13	13	12	14	13	11	10	12	19	16	25	11	17	13	9	11	10	10	8	8
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	100	99	97	97	96	86	79	74	74	74	75	74	76	76	82	82	84	90	96	98	98	96	96	98
D_u	6	6	9	7	8	15	9	12	10	10	7	8	12	12	9	20	20	11	10	8	11	11	12	11
D_ℓ	13	10	11	13	17	10	9	3	2	2	3	2	4	4	10	10	10	10	9	13	10	6	9	9
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	86	86	85	82	85	74	71	66	70	70	64	70	68	66	68	72	70	78	84	86	88	88	88	88
D_u	6	4	5	8	5	9	4	1	2	2	11	4	10	6	6	14	15	10	9	6	9	7	7	8
D_ℓ	7	6	8	9	8	10	3	2	4	4	2	4	4	4	4	3	4	9	6	7	10	9	9	8
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	56	56	58	56	58	56	40	32	26	27	24	26	26	28	26	27	36	46	54	58	56	59	57	57
D_u	8	14	12	10	6	6	12	10	8	5	9	7	8	4	8	20	17	10	10	8	8	9	9	11
D_ℓ	6	10	10	10	16	14	6	10	6	7	4	6	6	8	6	7	15	12	8	8	4	7	5	7
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	56	56	54	56	54	54	44	30	28	*26	26	26	24	24	28	30	38	46	52	53	54	54	54	55
D_u	6	6	8	6	6	6	6	8	6		6	6	8	8	6	8	10	10	8	7	6	6	8	7
D_ℓ	10	8	6	8	6	8	2	2	10		9	12	10	10	12	16	6	4	8	5	8	8	8	9
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	42	42	42	42	40	38	38	34	30	*26	24	25	25	26	32	36	40	42	43	44	44	44	44	44
D_u	2	4	4	4	4	6	6	4	5		10	9	9	10	6	6	4	4	7	4	2	2	2	2
D_ℓ	0	0	2	4	2	2	2	4	5		2	4	4	4	6	8	4	2	3	4	4	4	2	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	23	23	23	23	23	25	27	29	27	27	27	27	27	27	29	29	31	31	29	27	27	25	25	23
D_u	2	2	2	2	2	2	4	2	4	2	4	18	12	6	4	2	2	4	6	4	2	2	0	2
D_ℓ	2	2	2	2	2	2	4	4	2	4	4	4	2	4	2	2	2	2	0	2	2	2	2	0
V_{dm}																								
L_{dm}																								

Table 2

RADIO NOISE DATA

Station BILL, WYOMING Lat. 43.2N Lang. 105.2W Type Recorder ARN-2 Month JANUARY 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	121	121	121	122	123	121	121	119	112	103	*99	101	99	101	105	104	104	108	115	117	119	119	119	119
D_u	6	10	6	3	4	6	2	6	7	16		13	16	14	6	10	9	7	5	6	6	7	8	8
D_ℓ	4	4	2	3	6	4	4	4	5	4		6	4	6	12	11	8	7	9	8	12	8	10	5
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	99	98	98	100	100	97	94	88	78	76	78	78	76	76	78	82	85	92	94	96	98	92	100	98
D_u	13	12	10	6	4	8	8	6	11	19	10	10	12	12	8	6	8	6	11	12	6	16	8	12
D_ℓ	5	4	2	6	6	5	4	4	4	2	4	4	2	2	2	6	2	5	4	4	6	0	6	4
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	78	79	81	80	80	77	76	72	72	*72	72	72	70	70	71	72	72	73	74	76	78	78	80	80
D_u	18	15	9	10	15	9	6	4	6		4	2	8	8	4	1	5	9	13	16	14	16	14	16
D_ℓ	2	6	7	6	8	5	6	2	2		4	2	0	0	1	2	2	3	3	4	6	6	8	6
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	75	74	72	72	76	79	76	66	70	*70	66	70	72	68	66	72	72	72	74	77	80	84	84	76
D_u	11	12	8	10	11	5	6	6	4		4	0	2	4	6	4	2	6	6	7	8	8	6	10
D_ℓ	7	8	8	8	11	7	4	2	6		2	5	2	6	2	4	6	4	4	5	6	4	8	4
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	48	48	46	48	46	44	44	34	22	20	*20	20	20	20	20	20	23	30	38	43	46	46	46	46
D_u	12	14	12	6	8	8	10	12	8	4		0	0	0	2	4	9	12	12	9	10	12	14	12
D_ℓ	8	8	6	6	6	4	6	0	2	0		0	0	0	0	0	3	2	4	9	6	6	6	4
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	52	50	51	52	51	48	48	46	29	22	*17	16	16	16	18	22	32	42	46	48	48	48	48	50
D_u	8	10	5	6	5	8	8	4	7	8		4	2	4	4	4	8	7	5	7	6	8	8	8
D_ℓ	4	2	3	4	5	2	4	6	5	6		2	2	2	4	6	4	4	4	6	4	4	2	4
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	43	42	43	41	39	39	37	37	33	*27	25	21	23	25	29	33	38	41	41	41	43	43	41	43
D_u	6	7	4	4	6	4	6	2	2		5	10	2	4	3	6	3	4	4	4	2	2	6	6
D_ℓ	2	3	6	4	4	6	2	4	4		4	2	2	4	5	3	3	4	2	2	4	4	0	2
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	23	23	25	25	25	25	27	27	28	*28	29	27	27	29	29	29	31	29	29	28	27	25	23	23
D_u	2	2	0	0	2	2	0	4	5		2	3	5	5	2	4	2	4	4	5	4	6	4	4
D_ℓ	2	2	4	4	4	4	6	2	5		5	3	2	3	4	2	4	2	4	3	4	4	2	2
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station BILL, WYOMING Lat. 43.2N Long. 105.2W Type Recorder ARN-2 Month APRIL 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc *																							
F_{om}	138	138	138	136	132	130	130	128	128	127	123	124	128	128	126	130	128	130	132	135	140	138	137	135
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	113 kc *																							
F_{am}	122	122	120	118	112	106	104	104	100	100	104	108	112	108	102	107	105	107	111	121	122	120	119	120
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	246 kc *																							
F_{am}	110	106	106	104	92	80	78	78	78	81	82	81	81	84	78	81	82	83	92	106	107	108	107	105
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	545 kc *																							
F_{am}	91	89	87	87	67	71	69	65	63	66	61	66	65	65	69	69	67	62	73	81	85	88	90	90
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	2.5 Mc *																							
F_{am}	68	68	70	72	60	46	44	21	20	23	21	20	20	20	21	21	23	30	52	66	68	68	69	69
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	5 Mc *																							
F_{am}	67	65	65	65	60	49	39	33	27	23	18	25	23	19	21	25	29	41	55	63	64	65	65	65
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	10 Mc *																							
F_{am}	51	49	49	49	49	43	39	35	32	30	27	37	34	35	37	37	41	45	49	51	51	51	53	47
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	20 Mc *																							
F_{am}	31	33	31	31	29	31	31	31	31	31	30	29	28	29	29	30	31	31	31	31	30	30	30	30
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station BILL, WYOMING Lat. 43.2N Long. 105.2W Type Recorder ARN-2 Month MAY 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{om}	140	137	136	134	130	128	126	125	126	126	126	129	135	137	138	140	138	140	137	138	139	139	140	138
D_u	6	7	7	6	4	6	6	6	3	9	8	7	4	5	12	8	13	8	11	11	9	11	8	8
D_ℓ	8	5	4	5	10	8	11	12	17	14	12	5	11	9	8	10	9	10	9	8	8	8	8	8
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	125	121	120	119	111	105	105	107	103	102	106	113	117	122	123	127	126	127	123	121	123	123	125	123
D_u	6	8	5	5	8	11	10	9	10	14	13	13	8	10	14	10	12	14	15	16	14	14	10	6
D_ℓ	12	4	7	6	9	9	15	11	14	19	12	14	15	16	18	15	14	16	13	8	8	14	10	8
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	106	108	104	104	94	87	86	90	83	81	85	94	102	107	112	112	112	112	112	108	109	108	110	108
D_u	8	6	6	6	8	10	8	7	13	19	22	15	10	13	12	14	13	15	13	14	15	18	8	8
D_ℓ	8	10	8	8	12	10	11	15	12	10	12	7	19	22	26	21	20	20	19	12	13	10	8	8
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{om}	88	88	84	84	68	70	74	68	68	70	71	78	80	92	99	96	94	94	87	85	90	92	92	92
D_u	10	11	8	9	12	8	5	9	10	10	14	15	18	16	9	18	18	20	23	24	20	19	12	8
D_ℓ	12	8	4	9	11	14	10	9	7	6	9	15	12	20	27	22	24	25	17	9	10	12	8	10
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{om}	70	70	68	68	60	46	36	26	24	26	24	28	37	44	56	63	60	58	60	64	70	68	69	69
D_u	4	4	6	6	8	6	6	12	14	14	16	18	20	28	16	11	18	18	17	10	5	8	7	6
D_ℓ	8	6	4	6	9	8	14	8	6	8	6	10	19	28	36	43	33	24	14	11	11	9	8	8
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{om}	64	64	62	62	58	48	42	38	32	32	30	32	34	38	40	48	48	51	56	62	63	62	63	62
D_u	2	2	2	2	2	6	5	2	6	6	8	8	13	24	20	20	21	18	8	4	4	7	7	5
D_ℓ	6	4	4	6	4	6	11	8	8	7	6	8	11	14	16	21	14	9	6	4	5	4	4	3
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{om}	45	47	45	45	43	43	41	41	39	37	35	39	39	41	41	43	45	47	49	51	50	49	49	47
D_u	6	2	4	4	2	2	4	2	2	4	6	2	6	6	6	8	7	9	2	1	3	4	2	4
D_ℓ	2	4	2	4	4	6	4	6	6	4	2	7	4	6	6	6	5	4	5	6	5	4	4	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{om}	33	33	33	33	33	33	33	33	33	33	31	33	35	35	35	35	35	35	35	33	33	33	33	33
D_u	4	2	2	4	4	4	4	2	4	4	6	4	4	2	4	5	5	6	2	4	4	4	3	3
D_ℓ	6	6	6	6	4	4	4	4	4	4	2	6	6	6	8	8	6	6	4	4	5	4	6	6
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station BILL, WYOMING Lat. 43.2 N Long. 105.2 W Type Recorder ARN-2 Month JUNE 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc *																							
F_{am}	143	143	143	141	136	134	133	128	129	132	129	133	135	139	143	144	145	149	149	145	148	149	147	146
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	113 kc *																							
F_{om}	129	127	125	127	119	119	115	113	111	114	111	115	128	125	131	134	133	136	136	133	136	135	133	133
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	246 kc *																							
F_{am}	114	112	110	108	99	96	97	94	93	98	88	93	106	112	116	119	120	121	120	120	120	120	117	116
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	545 kc *																							
F_{om}	96	95	93	85	75	75	72	69	72	71	71	78	86	98	103	105	107	108	102	103	104	101	99	100
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	2.5 Mc *																							
F_{am}	72	72	72	70	59	44	36	30	30	34	36	30	46	54	64	66	68	71	68	68	70	75	76	74
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	5 Mc *																							
F_{am}	64	64	64	62	53	49	44	37	34	33	30	28	37	41	52	56	54	54	57	60	66	67	66	64
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	10 Mc *																							
F_{om}	45	45	45	41	40	41	39	35	37	33	31	32	34	37	39	42	43	47	47	50	51	50	47	46
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	20 Mc *																							
F_{om}	33	33	33	33	33	33	32	33	33	31	33	32	32	33	33	33	33	33	33	33	33	33	33	33
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station BILL, WYOMING Lat. 43 2 N Long. 105 2 W Type Recorder ARN 2 Month AUGUST 19 58

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	*138	*139	*138	*136	*134	*134	*132	*128	*128	*128	*130	*130	*134	136	138	*139	140	140	138	139	138	139	139	138
D_u														2	6		4	3	6	7	6	5	1	2
D_ℓ														6	4		8	7	4	7	6	7	9	6
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	*124	*122	*119	*118	*115	*115	*107	*107	*111	*105	*107	*109	*111	117	119	121	123	122	125	121	119	121	121	119
D_u														8	8	10	10	9	6	12	12	6	4	6
D_ℓ														5	12	12	10	4	18	10	8	6	8	4
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	102	101	101	103	96	94	98	87	82	87	82	90	*94	96	100	102	104	103	104	100	100	100	103	102
D_u														16	15	17	16	14	12	16	14	12	7	4
D_ℓ														11	12	14	18	16	21	13	9	10	11	8
V_{dm}																								
L_{dm}																								
	545 kc *																							
F_{am}	90	91	87	89	83	73	73	73	66	71	75	76	79	81	82	87	89	87	89	85	89	88	89	93
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	64	66	64	64	62	47	35	26	*18	*18	*18	*18	*26	*38	*36	*40	46	42	44	50	62	64	64	64
D_u	4	2	4	4	4	9	8	8									20	30	20	21	6	4	2	4
D_ℓ	6	8	6	6	8	11	9	8									28	23	14	8	6	8	8	8
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	61	62	62	62	58	50	40	36	30	28	*28	28	*28	*30	32	*34	40	46	52	58	60	62	62	62
D_u	3	2	2	2	4	6	6	4	4	6		12			18		18	17	4	4	4	2	4	2
D_ℓ	5	4	4	4	2	4	4	4	0	0		4			4		12	14	21	6	4	6	4	4
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	50	50	48	46	46	44	43	40	38	36	*36	*36	*36	*36	40	40	46	48	50	53	52	52	52	50
D_u	2	2	4	4	2	4	3	4	2	4					4	6	6	4	2	1	2	4	2	2
D_ℓ	4	4	2	2	4	4	3	2	2	2					2	4	6	8	2	5	4	4	4	4
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

MONTH-HOUR VALUES OF RADIO NOISE

Station BILL, WYOMING Lat. 43.2 N Long. 105.2 W Month SEPT 19 58

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	132	10	5			114	13	4			99	11	5			86	9	5			62	9	6			59	5	5			46	2	4			26	4	2		
01	132	8	4			114	8	4			100	9	6			88	8	7			62	6	5			59	3	3			45	2	3			26	2	2		
02	132	6	4			114	8	4			100	8	6			88	6	7			64	4	8			60	2	6			45	3	2			24	4	0		
03	132	6	4			114	10	4			100	8	6			87	8	8			64	4	7			59	3	4			45	2	4			25	3	1		
04	130	9	4			114	9	6			100	7	7			85	9	3			63	3	9			58	4	3			43	3	4			26	8	2		
05	128	11	7			106	14	8			84	25	8			73	17	8			56	9	8			54	4	4			41	3	4			30	6	6		
06	126	10	7			101	15	10			81	18	7			75	11	5			36	8	7			44	3	6			38	3	3			30	12	4		
07	126	8	10			102	13	13			82	24	8			68	19	5			27	10	8			30	8	5			33	6	3			30	8	6		
08	124	10	7			100	19	10			80	27	6			69	17	4			22	4	4			22	16	2			29	6	3			30	6	6		
09	124	9	5			98	20	9			79	25	6			73	8	6			20	4	4			20	8	2			25	6	0			28	6	4		
10	126	8	6			103	16	13			82	14	8			67	12	4			18	4	2			20	7	5			26	10	3			30	5	6		
11	128	8	6			104	13	11			82	18	6			73	10	6			18	7	2			18	22	3			25	8	0			30	4	8		
12	128	9	4			106	16	8			90	25	13			69	36	6			18	32	2			19	25	3			27	7	4			27	5	3		
13	128	10	2			106	16	8			88	24	14			71	28	8			19	38	3			20	27	4			31	3	6			30	4	6		
14	130	10	4			108	18	8			93	22	12			71	23	5			19	41	2			26	18	6			33	4	4			30	8	4		
15	130	11	4			110	17	8			94	22	17			73	29	4			23	34	6			32	8	10			39	2	6			32	6	6		
16	130	10	5			108	18	6			94	23	18			75	31	6			30	26	10			40	7	12			41	4	4			32	8	4		
17	130	13	5			110	19	8			96	20	15			73	30	4			42	17	11			46	8	6			45	2	2			34	3	4		
18	131	9	5			116	12	10			102	12	10			83	16	10			56	11	9			54	6	2			47	3	1			32	6	2		
19	130	8	4			118	10	6			102	14	4			97	11	9			64	2	8			58	4	6			47	3	1			30	6	6		
20	132	12	4			116	12	4			101	11	5			87	7	7			61	6	7			56	7	4			47	3	3			28	10	3		
21	132	10	4			116	10	6			100	12	6			89	8	4			58	10	3			58	6	6			47	2	3			28	12	2		
22	132	10	4			116	12	6			100	14	6			87	6	6			58	12	4			58	5	4			47	2	4			26	10	2		
23	132	10	4			114	14	4			100	12	6			85	10	4			60	12	4			59	6	4			47	4	4			26	3	2		

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

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Month October 19 58

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	127	6	6			111	8	4			96	7	5			86	5	3			56	11	12			55	5	6			45	3	2			24	4	1		
01	127	5	6			111	8	4			96	6	5			86	8	6			56	11	7			55	5	4			45	2	2			24	4	2		
02	127	6	6			109	11	2			94	12	4			84	7	4			56	10	6			55	5	4			45	4	4			24	4	0		
03	127	5	6			111	8	2			94	10	6			82	9	3			56	8	8			55	7	5			45	3	5			24	4	1		
04	125	8	7			109	8	6			90	13	8			86	7	7			54	8	9			53	6	5			43	2	5			24	6	1		
05	121	10	7			103	8	8			84	11	6			78	5	8			52	10	8			55	6	8			39	5	2			26	4	2		
06	119	9	6			95	10	4			76	12	4			72	4	5			42	7	7			51	8	11			39	4	2			30	8	3		
07	117	8	9			93	13	8			76	13	4			66	3	2			28	12	7			33	9	6			35	6	2			30	5	2		
08	114	11	10			88	17	5			76	11	5			68	2	3			22	8	3			23	8	4			31	5	4			30	5	2		
09	113	11	12			89	16	10			74	9	4			70	4	5			20	4	3			19	6	4			29	6	3			30	3	3		
10	113	8	13			87	18	6			74	6	4			64	4	3			18	5	1			16	4	3			27	5	4			28	5	0		
11	116	6	10			91	10	8			76	8	4			68	4	8			18	2	2			15	3	2			27	6	4			28	4	2		
12	119	4	8			95	10	10			76	12	4			66	5	5			18	4	2			15	6	2			27	4	4			30	2	3		
13	121	6	5			96	13	13			76	11	5			66	6	5			18	4	0			17	10	4			29	7	4			30	3	2		
14	121	7	14			95	18	8			76	10	6			68	3	8			20	2	2			21	9	5			31	8	2			30	4	1		
15	121	8	9			95	16	10			76	12	6			70	2	4			22	7	2			27	11	7			37	5	6			32	2	3		
16	121	7	10			97	14	8			78	7	7			70	4	5			30	11	6			33	14	4			41	3	4			32	3	2		
17	121	9	8			101	16	6			82	20	5			76	6	11			43	10	10			45	9	5			43	5	4			34	2	4		
18	123	9	4			107	16	4			90	15	8			80	9	5			54	11	8			49	9	7			45	4	4			34	2	4		
19	125	9	6			111	10	8			92	13	9			84	10	5			56	9	8			51	9	10			45	4	4			30	3	4		
20	127	6	10			111	12	6			92	14	4			88	9	6			54	10	8			51	10	8			45	4	4			28	4	2		
21	127	7	5			111	14	6			95	10	6			88	7	5			56	10	6			52	8	7			45	4	4			26	4	2		
22	127	7	5			111	10	4			97	10	8			90	4	7			55	13	7			53	8	7			45	2	4			25	3	1		
23	127	9	8			111	10	4			96	8	4			88	6	7			54	15	7			55	6	8			45	5	3			24	6	1		

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month November 1958

Hour (LST)	Frequency (Mc)																																							
	* 51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	123					111					93					91					56										41					21				
01	121					109					93					87					54										37					21				
02	122					109					93					85					52										41					21				
03	122					109					89					87					54										39					21				
04	123					107					89					87					54										39					21				
05	122					105					81					87					54										39					23				
06	117					97					73					77					49										39					27				
07	113					91					73					71					39										37					31				
08	111					95					79					69					30										36					29				
09	103					95					75					69					24										31					29				
10	102					93					75					65					22										29					27				
11	101					93					75					71					19										27					27				
12	105					93					75					69					20										27					29				
13	108					97					78					69					22										31					29				
14	105					99					81					68					24										37					31				
15	113					97					73					73					34										39					33				
16	115					99					82					78					50										40					30				
17	120					107					87					83					54										43					31				
18	122					105					91					89					56										43					31				
19	122					107					93					93					56										43					29				
20	123					111					95					95					56										45					23				
21	125					111					95					95					54										41					23				
22	123					109					93					93					56										41					21				
23	124					111					95					93					54										41					21				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month December 19 58

Frequency (Mc)

Hour (LST)	51 kc					113 kc					246 kc					545 kc				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	122	7	6			105	9	5			89	11	8			82	7	5		
01	121	8	5			105	9	5			89	12	6			82	6	11		
02	122	5	6			105	9	5			87	10	8			78	8	6		
03	122	7	5			104	10	6			87	10	10			77	8	6		
04	122	7	8			104	8	3			87	9	9			79	7	6		
05	122	7	8			101	10	4			83	10	8			81	6	7		
06	118	6	4			95	7	4			75	12	3			77	6	6		
07	118	5	6			91	8	6			73	8	2			67	4	2		
08	110	4	5			89	5	6			73	6	4			68	3	5		
09	104	8	4			90	6	8			73	5	4			69	4	6		
10	102	9	5			91	4	10			73	5	4			67	4	5		
11	102	13	5			90	6	9			73	5	4			69	3	4		
12	102	13	5			89	4	10			71	8	2			65	4	5		
13	104	10	6			89	5	12			73	5	4			67	4	4		
14	100	15	2			89	4	10			73	4	4			67	4	5		
15	102	14	5			89	8	4			73	7	4			71	[illegible]	4		
16	104	12	5			97	7	5			73	8	4			71	6	5		
17	106	10	4			101	6	12			78	6	7			73	8	2		
18	112	10	4			101	6	6			79	7	6			79	4	8		
19	116	8	6			103	6	8			81	8	6			81	6	6		
20	116	8	4			101	10	6			83	10	6			85	2	8		
21	118	8	4			103	8	8			85	10	6			85	4	4		
22	120	6	6			103	8	8			87	10	8			85	4	4		
23	120	7	6			105	10	8			87	10	6			83	8	4		

Hour (LST)	2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	46	7	3								39	3	4			22	2	2		
01	47	5	5								38	5	2			22	2	2		
02	46	5	3								40	2	5			22	2	3		
03	46	7	5								38	5	5			24	0	2		
04	46	6	8								36	6	4			24	0	2		
05	44	5	6								36	6	4			24	0	2		
06	42	7	4								34	5	2			26	1	5		
07	38	3	7								36	2	4			28	2	4		
08	24	4	4								34	3	3			29	3	3		
09	21	6	2								30	2	3			28	3	2		
10	19	4	>3								28	2	4			28	2	5		
11	18	2	>2								26	4	3			28	2	5		
12	18	2	>2								26	3	5			28	2	5		
13	18	2	>2								28	2	3			28	2	2		
14	18	4	>2								30	2	2			28	5	2		
15	20	4	>3								34	3	4			30	2	5		
16	25	10	4								38	4	3			30	4	2		
17	36	8	4								40	4	2			30	4	5		
18	42	6	4								40	4	2			26	6	2		
19	44	4	4								40	4	0			24	4	4		
20	46	6	6								42	4	4			22	4	2		
21	46	8	6								40	6	2			22	2	2		
22	46	8	4								40	4	4			22	2	2		
23	46	6	4								40	4	4			22	2	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Month January 19 59

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	116	11	5	5		104	8	5			83	14	6			79	10	9			44	8	4								38	4	2			22	2	0		
01	118	15	4	4		104	9	5			83	14	7			78	8	6			44	11	7								38	4	4			22	2	0		
02	119	11	5	5		103	10	3			82	12	5			74	8	7			44	10	7								38	6	6			22	2	0		
03	118	10	4	4		102	9	2			81	8	5			74	6	8			43	13	5								38	5	6			24	0	2		
04	116	11	3	3		104	4	6			81	9	8			76	8	6			42	15	4								38	3	6			24	0	2		
05	118	7	4	4		102	7	6			81	12	8			80	5	9			44	9	5								36	5	2			24	1	2		
06	116	10	11	11		94	11	8			79	12	7			74	6	4			42	10	4								36	4	4			24	2	0		
07	116	6	8	8		90	10	7			75	7	4			66	7	3			40	8	5								36	5	4			26	4	0		
08	110	10	7	7		86	2	6			73	8	2			67	3	5			26	6	6								34	4	2			28	3	3		
09	104	7	5	5		84	9	5			73	6	2			66	5	2			21	5	#3								30	4	2			26	4	2		
10	100	7	7	7		84	10	6			73	9	2			64	4	3			#18	#3	#2								28	4	2			26	3	2		
11	98	10	8	8		84	8	7			73	7	3			66	6	4			#18	#3	#2								28	4	4			26	2	2		
12	100	9	8	8		82	10	6			73	6	3			64	4	4			#18	#2	#2								29	3	4			26	3	2		
13	100	8	6	6		84	10	5			73	8	2			64	6	2			#18	#4	#2								28	4	4			26	2	2		
14	100	14	6	6		86	8	10			73	4	2			64	6	3			#18	#4	#2								30	5	3			28	2	2		
15	100	15	5	5		88	9	8			73	7	4			68	5	6			20	2	#2								34	3	5			28	4	2		
16	100	12	7	7		94	6	8			73	6	2			70	7	6			22	5	#4								36	4	4			28	2	0		
17	104	13	8	8		100	5	8			75	10	4			73	7	7			32	9	9								40	3	2			28	3	2		
18	106	9	2	2		102	5	6			75	9	2			76	8	8			38	5	4								40	4	2			28	2	5		
19	110	14	4	4		102	7	5			75	12	2			78	8	6			40	5	4								40	4	1			22	6	0		
20	114	11	5	5		104	8	7			77	15	4			80	6	4			43	9	6								40	5	2			22	4	0		
21	114	12	5	5		104	8	8			79	15	4			82	7	8			42	10	5								40	4	2			22	2	0		
22	116	10	6	6		104	8	4			81	14	4			82	8	6			42	10	4								40	2	3			22	2	2		
23	115	11	11	4		103	9	4			82	16	5			82	10	8			44	11	4								40	2	3			22	2	0		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W . Month February 19 59

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	119	7	7			104	4	6			85	10	7			81	6	4			48	10	6								41	2	4			25	0	2		
01	119	9	5			104	6	8			86	9	7			83	4	6			49	8	7								39	3	2			25	0	2		
02	121	9	5			102	8	6			87	13	11			79	8	4			48	11	8								41	2	6			25	2	2		
03	121	11	4			102	11	4			85	10	10			79	6	5			47	11	7								39	4	5			25	2	2		
04	121	10	6			102	9	4			83	16	6			81	8	6			47	10	7								39	6	6			25	2	2		
05	121	10	6			98	13	6			81	16	8			83	6	4			46	12	6								38	6	5			25	2	2		
06	117	8	7			91	11	5			77	10	4			73	8	4			42	8	2								35	10	2			27	2	2		
07	117	6	8			90	4	8			75	10	4			69	2	6			36	8	8								39	8	6			27	4	2		
08	107	10	6			90	6	10			77	8	4			67	4	4			24	9	4								35	6	4			29	2	2		
09	107	10	10			90	10	9			75	8	7			65	4	4			22	2	4								31	4	4			29	2	2		
10	105	12	12			90	9	6			75	8	2			65	4	1			20	2	4								28	5	3			29	2	2		
11	107	8	12			88	8	8			75	12	6			67	2	4			20	2	4								27	4	2			28	5	3		
12	107	10	14			90	8	11			75	12	5			65	2	6			18	4	2								27	2	2			29	2	2		
13	109	5	14			90	11	13			75	11	4			67	3	5			19	5	3								27	3	3			29	4	3		
14	107	8	12			90	8	9			75	13	5			67	2	6			20	4	4								29	2	4			29	4	2		
15	109	10	14			88	11	6			75	13	2			70	3	5			20	4	4								31	2	4			29	4	2		
16	105	10	10			90	6	8			77	8	6			71	6	4			22	6	4								35	2	4			31	6	2		
17	109	6	12			96	10	6			81	4	8			71	8	6			28	10	4								39	8	4			33	2	4		
18	113	10	10			98	8	13			83	6	10			77	6	8			42	10	6								39	4	4			31	2	4		
19	117	8	12			102	6	12			85	4	12			79	6	6			42	12	4								39	4	2			30	6	7		
20	116	10	9			102	5	13			83	14	10			83	8	8			44	12	8								40	3	1			25	4	2		
21	119	8	10			101	8	10			87	11	10			85	6	11			47	10	6								41	3	3			23	2	0		
22	119	11	10			102	7	9			87	13	10			85	7	8			48	10	6								41	2	3			23	2	0		
23	117	9	6			103	5	12			85	13	4			83	6	6			48	6	6								40	3	4			24	1	1		

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

RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1 N Long. 105.1W Type Recorder ARN-2 Month June 1957

	Local Mean Time																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51kc																							
F_{am}	141	140	140	138	132	132	128	128	128*	130*	131*	134	137	138	140	142	144	142	142	142	142	144	142	142
D_u	7	7	8	9	10	6	7	8				6	8	9	13	9	6	9	7	7	8	7	8	7
D_ℓ	9	9	8	7	8	12	5	5				6	6	5	6	7	8	9	10	6	7	8	8	9
V_{dm}	4.0*	4.0*	5.0*	8.0*	7.0*	7.0*	9.0*	9.0*	8.5*	8.0*	8.0*	9.5*	6.5*	7.0*	6.0*	4.5	4.5	5.0	4.5	4.5	4.0	4.0	3.5	4.5
L_{dm}	8.5*	10.0*	12.0*	16.0*	14.0*	15.5*	17.5*	17.0*	19.5*	20.0*	16.0*	16.5*	14.0*	12.0*	11.0*	10.0	9.5	10.0	9.0	8.5	8.0	8.0	7.0	8.5
	113kc																							
F_{am}	128	127	126	125	118	118	118	112	114*	111*	114*	119	122	124	127	128	130	130	130	129	130	129	131	130
D_u	6	6	9	7	7	7	5	10				9	12	12	13	11	10	10	8	7	8	7	5	6
D_ℓ	7	9	12	10	12	15	15	9				12	10	10	12	14	18	14	10	10	12	9	11	9
V_{dm}	4.0*	4.0*	5.0*	7.5*	6.0*	8.0*	10.0*	10.0*	4.5*	8.0*	10.0*	10.0*	9.0*	9.5*	6.0*	5.0	5.0	4.0	4.0	4.0*	3.5*	3.5*	3.5	3.5
L_{dm}	8.5*	11.0*	10.0*	16.0*	14.0*	16.0*	20.0*	19.0*	18.0*	20.0*	17.5*	18.0*	17.0*	15.0*	12.0*	11.0	9.5	9.0	8.5	8.0*	8.0*	8.0*	8.0	8.0
	246kc																							
F_{am}	114	114	112	106	98	98	98	97	96*	94*	96*	104	104	108	112	116	118	116	116	118	116	116	116	116
D_u	7	8	10	14	13	12	12	8				12	19	20	17	12	10	12	10	6	6	7	8	6
D_ℓ	12	13	12	10	17	16	15	12				17	11	15	12	12	17	12	12	17	12	10	12	12
V_{dm}	4.0*	4.0*	5.0*	7.0*	6.0*	8.0*	9.0*	9.0*	8.5*	8.0*	9.0*	9.0*	10.0*	8.0*	7.0*	5.0	5.0	5.0	4.0	4.0*	3.0	3.0	3.5	3.0
L_{dm}	9.0*	11.0*	13.0*	15.5*	13.0*	15.0*	17.0*	18.5*	19.0*	17.0*	17.0*	16.0*	16.5*	18.0*	15.0*	11.0	9.0	9.0	8.0	8.0*	7.0	6.5	7.5	7.0
	545kc																							
F_{am}	96	96	94	84	76	76	76	76*	76*	76*	80*	86	86	91	102	100	103	99	98	98	98	100	98	96
D_u	8	9	11	14	17	15	13					20	24	25	11	15	10	12	11	10	7	7	8	8
D_ℓ	9	10	12	9	12	4	2					10	12	16	18	16	26	16	19	12	11	14	10	7
V_{dm}	4.0*	5.5*	5.5*	7.0*	6.0*	7.0*	6.0*	3.0*	3.5*	3.0*	10.5*	7.5*	10.0*	8.0*	6.5*	6.0	5.0	4.5	4.0	4.0	3.0*	2.0*	3.0*	3.0*
L_{dm}	10.5*	11.0*	11.5*	15.0*	13.0*	12.0*	12.0*	10.0*	8.0*	8.0*	15.5*	15.0*	20.0*	16.0*	14.5*	11.0	9.5	9.0	9.0	8.0	7.0*	6.0*	7.5*	6.5*
	2.5 Mc																							
F_{am}	74*	74*	72*	71*	60*	50*	44*	44*	44*	44*	44*	48*	53*	54	60*	62*	62*	58	57	62	72	74*	72	75
D_u														18				14	10	6	2		6	3
D_ℓ														10				12	24	8	8		4	9
V_{dm}	4.0	4.5*	4.0	5.0	7.0	3.5	2.0*	2.0*	2.0*	1.5*	1.5*	3.5*	11.0*	9.0	8.0	6.0	7.0	6.0	6.0	4.0	2.5	4.0	3.5	4.0
L_{dm}	10.0	10.5*	11.0	11.5	11.0	8.0	5.0*	4.5*	4.5*	4.0*	6.0*	6.5*	16.0*	10.5	15.0	12.5	14.0	13.0	13.0	9.0	8.0	8.0	9.0	10.0
	5 Mc																							
F_{am}	64	64	62	60*	54*	48	44	44*	41*	42*	46*	46*	46*	46*	50*	52	50	54	54	60	64	64	64	64
D_u	2	2	4			8	4									12	12	6	7	6	4	6	6	4
D_ℓ	6	6	4			6	4									14	8	8	4	2	2	4	4	6
V_{dm}	4.5	4.5	5.0	5.5	5.5	4.0	2.5	1.5*	1.0*	2.0*	2.5*	3.0*	5.0	4.0	4.5	4.0	3.5	4.0	3.0	3.5	3.5	3.5	4.0	4.0
L_{dm}	10.0	10.0	10.0	11.0	10.5	9.5	7.0	4.5*	5.0*	5.0*	6.0*	6.0*	8.0	8.0	7.0	8.0	8.0	9.0	8.0	7.0	8.0	8.0	9.0	10.0
	10 Mc																							
F_{am}	42*	44	42*	42*	40	38*	36*	34*	31*	29*	30*	32*	32*	36*	40*	42	44	46	48	50	48	46	46	44
D_u		4			4											7	6	4	2	2	4	6	2	2
D_ℓ		4			2											4	6	4	5	6	4	4	6	2
V_{dm}	5.0	5.0	5.0	4.0	5.0	6.0*	6.0	5.0*	4.5*	4.0*	4.0*	4.5*	5.0	4.0	4.0	4.0	4.0*	3.5	3.5	4.5	5.0	4.0*	5.0	5.0
L_{dm}	10.0	8.5	10.0	9.0	10.0	10.0*	11.5	10.0*	8.0*	6.0*	7.0*	8.0*	10.0	7.5	8.0	8.0	8.0*	8.0	8.0	10.0	9.0	9.5*	10.0	10.5
	20 Mc																							
F_{am}	22	22	20	20	20*	20	20	20*	20*	21*	22*	22*	20*	20	22*	26	25	24	23	22	22	22	20	21
D_u	0	2	10	2		2	2							14		6	9	6	7	8	6	4	4	3
D_ℓ	4	4	2	2		2	2							2		4	5	4	3	2	2	4	0	3
V_{dm}	1.5*	1.0*	1.5*	1.5*	2.0*	1.5*	3.0*	2.5*	2.0*	2.5*	3.0*	3.5*	3.0*	2.5*	3.0*	5.5*	4.5	4.0	4.0*	3.0*	2.5*	2.0*	1.0*	2.0*
L_{dm}	4.0*	4.0*	4.0*	4.0*	3.0*	4.0*	4.5*	5.5*	5.0*	5.5*	7.0*	7.0*	6.0*	5.0*	6.0*	9.0*	7.0	7.0	6.5*	7.0*	6.5*	4.0*	3.0*	3.5*

Table 3

RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1° N Long. 105.1° W Type Recorder ARN-2 Month July 1957

	Local Mean Time																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	142	140	140	139	138	134	132	130	130	131	132	136	140	142	145	148	146	148	144	146	144	144	144	142
D_u	4	4	4	3	2	4	4	4	0	6	4	4	8	8	8	6	8	4	8	3	4	4	4	3
D_ℓ	4	2	2	3	6	4	4	4	4	4	4	6	4	6	7	10	6	8	6	8	6	6	2	4
V_{dm}	6.0	6.0	6.5	7.0	9.0	8.5	9.0	10.0	11.0	11.0	12.5	9.5	10.5	9.0	9.0	8.5	8.5	8.5	8.0	8.0	7.5	7.5	7.0	7.0
L_{dm}	13.0	12.5	13.0	15.0	17.0	16.0	17.5	18.5	19.5	19.5	20.5	17.0	18.0	15.0	14.0	14.0	15.0	13.0	14.0	15.0	14.0	14.0	14.5	13.0
	113 kc																							
F_{am}	125	125	125	121	117	113	113	110	108	107	111	118	121	129	131	135	132	133	133	131	129	129	129	127
D_u	6	4	4	6	6	8	5	8	5	7	8	9	4	11	12	7	13	5	6	7	8	6	4	4
D_ℓ	5	4	5	3	5	8	9	9	9	5	7	9	10	14	16	22	11	14	12	10	9	7	8	5
V_{dm}	6.5	5.5	6.0	6.5	8.0	8.5	11.0	11.5	12.0	12.0	12.5	12.5	10.5	11.5	11.0	9.5	9.0	9.0	8.5	8.0	7.0	7.0	6.5	7.0
L_{dm}	12.5	11.5	12.0	13.0	16.5	17.5	20.5	20.5	22.0	20.0	21.0	19.5	18.0	19.0	18.0	16.5	16.0	15.0	15.0	14.5	13.0	13.0	14.0	14.0
	246 kc																							
F_{am}	110	109	108	106	98	96	92	90	84	84	89	97	106	116	120	121	120	120	118	116	115	113	113	112
D_u	6	5	6	4	6	7	6	8	10	10	20	18	17	12	10	9	8	8	8	8	7	6	5	5
D_ℓ	4	5	5	7	11	15	12	12	10	8	6	19	18	21	25	23	16	18	18	15	9	7	8	8
V_{dm}	5.0	5.0	5.0	7.0	8.0	8.0	10.0	10.0	11.5	9.5	13.0	11.5	12.5	11.5	10.0	10.0	9.0	8.0	9.0	8.0	7.0	7.0	6.5	6.5
L_{dm}	11.0	11.0	12.0	14.5	16.0	18.0	17.0	17.5	19.5	16.5	21.0	21.0	20.0	20.5	17.5	18.5	17.0	15.5	16.5	14.0	13.0	14.0	13.0	12.0
	545 kc																							
F_{am}	94	92	90	86	72	75	75	82	80	73	77	87	96	103	106	108	108	105	102	101	99	96	96	96
D_u	6	6	6	6	8	5	6	6	8	10	22	18	16	11	11	11	6	9	8	9	5	9	6	6
D_ℓ	4	5	2	18	8	3	4	9	10	3	7	15	22	27	25	26	25	28	23	16	9	6	4	5
V_{dm}	5.0	5.0	5.0	6.5	6.0	4.5	5.5	5.0	2.5*	7.0	15.0	11.0	11.0	10.0	10.0	9.0	9.0	10.5	11.0	9.0	6.0	6.0	5.0	5.0
L_{dm}	10.5	10.0	11.0	12.5	14.0	8.5	10.0	10.0	8.0*	13.0	20.5	20.0	21.0	20.5	18.5	17.5	18.0	17.0	21.5	15.0	13.0	11.5	10.5	11.0
	2.5 Mc																							
F_{am}	71	71	72	71	63	51	47	47	47	47	47	50	54	61	67	73	69	67	67	68	71	73	73	73
D_u	4	4	3	6	4	2	4	2	1	2	2	13	19	16	12	8	12	10	8	7	8	4	4	2
D_ℓ	4	6	5	7	8	4	2	4	2	2	2	3	5	8	16	22	18	17	12	7	4	5	6	4
V_{dm}	3.5	3.5*	4.0	4.0	3.0*	3.0*	2.0*	1.0*	1.0*	1.0*	1.0*	2.0	5.0	8.0	5.0	7.5	5.5	6.0	6.0	3.5	4.0	3.5	4.0	4.0
L_{dm}	8.0	8.0*	9.0	8.0*	7.5*	5.0*	4.0*	3.0*	3.0*	3.0*	3.0*	3.0	8.0	15.0	16.5	15.0	13.5	14.5	10.5	9.0	8.0	8.0	9.0	8.0
	5 Mc																							
F_{am}	63	63	63	63	59	49	43	43	41	43	43	45	45	49	51	58	54	55	57	63	65	65	65	63
D_u	2	4	2	2	2	4	4	2	4	2	5	4	4	17	16	18	14	8	6	2	4	2	2	4
D_ℓ	3	2	3	4	6	6	3	8	4	5	4	8	2	6	4	13	7	9	6	6	3	4	4	3
V_{dm}	3.5	3.5	4.0	4.0	4.0*	4.5*	4.0*	1.5*	1.5*	1.0*	1.0*	1.0	3.0	9.0	6.0	7.5	5.0	4.0	3.0	2.5	3.0	3.5	4.0	4.0
L_{dm}	8.0	8.0	8.0	8.5	8.5*	8.0*	7.0*	3.5*	3.5*	3.0*	3.0*	3.0	5.0	14.0	14.0	15.5	8.0	9.0	6.0	6.0	7.0	7.5	8.0	8.0
	10 Mc																							
F_{am}	47	47	47	45	44	43	39	35	33	31	31	33	35	41	43	45	47	49	49	51	51	51	49	49
D_u	4	2	2	1	3	2	6	6	6	6	5	6	10	9	9	8	5	3	4	4	5	2	4	2
D_ℓ	4	3	4	3	3	4	4	5	4	5	6	7	6	8	11	7	5	6	2	3	3	4	3	6
V_{dm}	4.0	3.0	2.5	2.5	3.0*	3.0*	4.5*	4.0*	4.5*	4.0*	3.0*	4.5	4.5	5.0	5.0	4.5	3.0	3.0	3.0	2.5	3.0	3.5	3.5	3.0
L_{dm}	7.5	7.0	6.5	6.0	7.0*	7.5*	7.0*	8.0*	11.5*	6.0*	6.0*	8.0	9.0	10.0	10.0	10.0	6.5	6.5	7.0	6.0	6.5	6.0	7.5	7.0
	20 Mc																							
F_{am}	23	23	21	21	21	23	23	23	25	21	23	25	25	27	29	30	29	29	29	27	25	24	23	22
D_u	1	0	2	1	2	3	3	4	4	6	12	7	6	7	10	16	7	4	4	7	10	4	3	3
D_ℓ	2	2	0	0	0	2	2	2	4	2	2	4	4	6	8	7	7	6	4	4	3	3	2	1
V_{dm}	1.0*	1.0*	.5	.5*	1.0*	2.0*	3.0*	2.0*	3.0*	3.0*	2.5	2.5	2.0	2.0	3.0	4.0	3.0	3.0	3.0	2.5	1.0*	1.0*	1.5*	1.5*
L_{dm}	3.0*	3.0*	3.0	2.5*	2.5*	3.5*	5.0*	4.0*	7.0*	4.5*	4.0	5.0	5.0	5.0	6.0	7.5	6.0	6.0	5.0	4.5	4.5*	3.0*	4.0*	3.0*

RADIO NOISE DATA

Station Boulder, Colorado Lat. 40. 1°N Long. 105. 1°W Type Recorder ARN-2 Month August 19 57

	Local Mean Time																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51kc																							
F_{am}	142	140	140	140	138	134	134	132	130	134	*132	137	141	144	144	144	146	144	144	144	144	142	142	142
D_u	2	4	2	2	2	6	4	6	6	5		6	6	6	8	8	6	10	7	6	5	8	7	4
D_ℓ	4	2	4	6	4	4	6	6	7	6		6	6	6	5	4	6	4	6	6	5	3	4	4
V_{dm}	7.5	8.0	7.5	7.0	9.0	9.5	10.5	11.0	11.0	*10.0	*9.5	11.5	11.0	9.5	8.5	8.5	8.0	8.0	8.5	7.5	7.5	8.0	7.5	7.0
L_{dm}	13.5	14.5	12.5	14.0	16.0	15.0	17.5	18.5	19.0	*19.0	*17.0	19.0	19.0	17.0	16.0	17.0	16.0	14.5	15.0	13.5	13.0	15.5	14.0	15.5
	113kc																							
F_{am}	127	126	126	124	122	118	116	114	112	112	*114	116	126	130	130	132	132	132	134	132	131	128	128	128
D_u	4	4	4	4	4	6	6	10	13	12		16	8	8	10	10	10	14	4	7	7	10	9	6
D_ℓ	7	6	6	4	5	10	12	12	7	9		5	8	8	6	6	6	7	10	8	7	4	4	6
V_{dm}	7.0	7.0	6.0	6.5	8.5	9.5	11.0	11.0	*12.5	*11.0	*11.0	11.0	11.5	11.0	10.0	10.0	9.0	9.0	9.0	8.0	6.5	7.0	7.0	7.0
L_{dm}	12.5	12.0	11.5	12.5	15.5	18.0	20.0	20.0	*18.0	*18.0	*16.5	19.5	19.0	19.5	19.0	18.0	19.0	17.0	16.5	14.5	12.0	14.0	13.5	14.0
	246 kc																							
F_{am}	110	110	108	108	104	100	98	96	94	92	93	100	110	112	117	118	120	118	116	116	114	112	111	110
D_u	6	6	6	2	4	4	8	12	16	14	19	21	8	12	15	12	8	11	8	12	9	12	12	9
D_ℓ	6	6	6	6	13	20	18	16	20	16	11	9	18	13	11	10	12	10	13	9	6	6	5	6
V_{dm}	6.0	6.5	6.5	6.0	9.5	10.0	10.5	11.0	*9.5	*8.0	*8.5	12.0	11.0	11.0	10.5	9.5	9.5	10.0	10.0	6.5	6.0	6.0	6.0	6.5
L_{dm}	12.0	12.0	12.0	13.0	15.5	17.0	18.5	19.5	*16.0	*14.0	*13.0	20.0	20.0	20.5	20.5	18.5	19.5	19.0	18.0	13.5	12.5	12.0	13.0	13.0
	545 kc																							
F_{am}	98	98	96	96	84	82	78	83	80	*76	81	84	98	98	104	107	104	102	102	102	98	98	99	98
D_u	6	6	4	4	14	6	8	15	17		15	22	12	13	16	9	14	13	10	13	6	11	9	6
D_ℓ	4	6	6	6	8	10	4	9	6		9	10	22	19	14	18	13	16	18	8	4	4	4	5
V_{dm}	6.0	5.0	6.0	6.5	6.0	*2.0	4.5	*3.5	*1.5	*3.5	*7.0	*5.5	9.0	10.5	9.0	10.0	10.0	11.0	7.0	5.5	5.0	5.0	4.5	6.0
L_{dm}	12.5	11.5	11.0	14.0	12.0	*4.0	10.0	*8.0	*4.0	*6.0	*15.0	*9.0	13.5	21.5	18.5	20.0	18.5	21.0	13.5	11.0	9.5	9.5	10.0	12.0
	2.5 Mc																							
F_{am}	72	71	70	70	68	58	50	46	48	49	48	50	54	57	62	66	66	64	68	74	74	74	74	74
D_u	7	6	6	8	8	8	10	12	10	10	10	19	23	25	16	18	13	18	13	6	14	12	10	5
D_ℓ	4	5	4	4	9	10	6	4	6	4	4	4	8	11	14	14	15	12	11	9	4	4	6	6
V_{dm}	3.0	2.5	3.5	3.0	4.5	6.0	3.5	*1.0	*1.0	*2.0	*4.0	3.0	5.0	6.0	5.0	5.5	5.0	5.5	3.5	2.5	2.5	2.5	2.5	2.5
L_{dm}	6.5	7.5	8.5	8.0	9.5	11.0	6.5	*3.0	*2.0	*4.0	*6.0	5.0	12.5	15.0	12.0	12.0	12.0	9.5	8.5	5.5	6.0	6.0	6.5	6.0
	5 Mc																							
F_{am}	64	64	64	62	62	54	46	42	42	40	44	44	47	46	50	54	54	56	62	66	66	66	64	64
D_u	6	6	6	8	6	8	9	7	7	11	8	8	17	18	30	18	13	16	10	10	11	11	7	7
D_ℓ	4	6	5	3	5	7	3	4	5	4	8	8	9	6	8	8	5	4	6	4	5	4	4	4
V_{dm}	2.5	3.0	2.0	3.0	3.0	4.5	*4.0	2.5	*2.0	*1.5	*3.0	2.5	5.0	5.5	4.5	4.0	3.0	4.0	2.0	2.5	2.5	1.5	2.5	2.5
L_{dm}	7.0	6.5	6.5	8.0	8.0	9.5	*8.0	4.5	*4.0	*3.5	*4.0	4.0	10.0	9.5	13.5	8.5	8.0	8.0	5.5	6.0	6.0	6.5	6.5	6.0
	10 Mc																							
F_{am}	46	46	46	46	44	44	42	40	35	34	34	34	38	40	44	46	48	50	52	52	50	50	48	46
D_u	8	6	6	7	9	7	9	6	12	10	7	10	12	12	12	14	8	9	9	7	8	12	8	8
D_ℓ	5	5	2	3	2	4	6	10	6	7	7	4	6	6	8	7	4	3	3	3	2	4	4	4
V_{dm}	2.5	3.0	2.5	2.0	4.0	3.5	4.5	4.5	4.0	*5.5	*3.5	4.0	5.0	3.5	4.5	4.0	2.5	2.5	2.0	2.5	3.0	3.5	3.0	3.5
L_{dm}	6.0	7.0	6.0	5.5	8.0	8.0	9.0	9.0	7.0	*9.0	*7.0	8.0	11.0	7.0	10.0	7.0	6.5	6.0	5.5	6.0	7.0	7.0	6.0	7.0
	20 Mc																							
F_{am}	23	23	23	23	23	25	25	25	25	25	25	25	27	27	29	31	31	31	31	27	25	25	25	23
D_u	8	8	7	7	7	8	8	9	10	10	10	10	10	12	14	12	10	11	11	15	18	14	8	8
D_ℓ	3	4	4	4	4	4	4	4	6	2	3	4	6	4	4	5	4	3	4	3	2	2	4	3
V_{dm}	*1.0	*1.0	*1.0	*1.0	*1.0	2.0	*2.0	*1.5	*1.5	*2.0	*1.5	2.5	2.5	3.0	4.0	2.5	3.0	2.5	3.0	2.5	2.5	2.0	1.5	1.0
L_{dm}	*2.5	*2.5	*3.0	*2.5	*2.5	3.5	*4.5	*4.0	*4.0	*5.0	*4.0	5.0	8.5	6.0	8.0	5.5	5.5	5.0	6.0	4.0	4.0	4.0	3.0	2.5

Table 5

RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1° N Long. 105.1° W Type Recorder ARN-2 Month Sept. 1957

	Local Mean Time																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51kc																							
F_{am}	140	138	*138	*138	138	*134	*133	*132	*132	*128	*132	*134	*137	*137	136	*138	138	*138	*138	*141	*142	*141	*141	*141
D_u	4	6			2										8		8							
D_ℓ	6	6			6										8		6							
V_{dm}	9.0	9.0	9.0	9.0	9.5	*13.0	*13.0	*13.0	*12.0	*12.0	*10.5	*9.5	*11.0	*7.5	*8.0	*8.0	*7.0	*8.5	*8.0	7.0	*8.0	8.0	8.0	*8.0
L_{dm}	15.5	14.0	15.0	16.0	18.5	*21.0	*19.5	*22.0	*20.0	*20.0	*18.0	*17.5	*17.5	*14.0	*14.5	*15.0	*13.5	*15.0	*14.5	12.5	*13.0	15.0	15.5	*14.0
	113kc																							
F_{am}	126	124	124	*124	*122	*120	*111	*111	*112	*114	*112	*112	*114	*118	120	118	126	*125	*127	*129	*128	*128	*126	*126
D_u	6	6	6												16	18	10							
D_ℓ	8	8	8												12	14	20							
V_{dm}	9.0	8.0	7.5	8.0	*6.5	*13.5	*14.0	*12.0	*11.5	*15.0	*12.5	*10.5	*9.5	*9.5	*9.0	*7.0	*8.0	*7.0	6.5	*6.5	7.0	8.0	9.0	7.5
L_{dm}	16.0	14.5	14.0	15.5	*16.5	*22.0	*23.5	*23.0	*23.0	*25.0	*21.0	*21.0	*17.0	*16.0	*14.5	*13.0	*14.5	*13.5	12.0	*11.0	12.5	14.5	16.0	13.5
	246 kc																							
F_{am}	110	*109	107	*107	*106	*106	*95	*94	*98	*96	*89	*93	*94	98	106	108	110	*108	*110	*112	*112	*111	*110	*110
D_u	6		7											22	14	16	12							
D_ℓ	12		9											22	18	30	32							
V_{dm}	9.0	8.5	8.0	8.0	10.0	*12.0	*12.0	*12.0	*13.0		*10.5	*8.0	*10.5	*7.0	*8.0	7.0	*4.0	*6.0	6.5	6.0	7.5	8.5	8.0	*7.0
L_{dm}	15.0	14.0	13.5	14.0	18.5	*18.5	*19.5	*22.0	*23.5		*16.0	*16.0	*16.0	*10.0	*14.0	10.5	*8.0	*10.5	11.0	10.0	13.5	15.0	14.5	*13.0
	545 kc																							
F_{am}	95	93	91	*91	*90	*84	*81	*87	*84	*76	*79	*80	*81	79	83	83	*88	*84	*88	*96	*95	*97	*95	*93
D_u	4	6	6											26	20	24								
D_ℓ	8	6	6											8	12	10								
V_{dm}	6.0	6.0	7.0	7.0	*4.5	*8.5	*6.5			*5.5	*4.0		*7.0	*5.0	*6.0	*5.0	*10.5	*6.5	*5.5	*5.0	*7.0	5.5	*6.0	*5.0
L_{dm}	10.0	12.0	12.5	12.5	*11.0	*12.0	*12.5			*9.5	*8.0		*13.0	*9.0	*10.0	*8.0	*18.0	*10.5	*10.0	*9.5	*11.5	9.5	*9.0	*9.5
	2.5 Mc																							
F_{am}	66	66	66	64	64	58	46	44	45	*46	*46	46	46	46	46	46	46	48	56	64	64	64	64	63
D_u	6	6	4	6	6	6	4	2	1			6	8	10	18	17	17	14	8	10	10	10	6	9
D_ℓ	12	12	10	8	10	10	4	2	6			6	4	4	4	4	3	4	8	14	12	14	14	13
V_{dm}	4.0	4.5	4.0	5.0	5.5	6.0	2.5	2.5	1.5	*2.0	*1.0	1.5	3.0	1.5	1.5	2.0	1.5	2.5	3.0	3.0	4.0	4.0	3.5	3.5
L_{dm}	9.0	9.0	9.0	10.0	8.0	8.0	3.5	3.0	3.0	*3.0	*2.5	2.5	4.0	2.5	2.5	3.0	2.5	3.5	5.0	6.0	8.0	7.0	7.5	7.5
	5 Mc																							
F_{am}	60	61	61	59	59	55	45	41	41	*43	43	43	43	43	44	45	47	49	57	59	59	58	59	59
D_u	3	2	2	4	2	6	4	4	4		4	4	4	5	3	7	8	8	8	8	8	5	4	4
D_ℓ	5	6	8	2	4	6	6	6	8		8	15	8	8	9	12	6	2	6	6	6	5	6	4
V_{dm}	4.0	4.0	3.5	4.0	4.0	4.5	2.0	3.0	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.5	2.0	2.5	3.0	4.0	3.5	3.5	3.5
L_{dm}	7.5	8.0	7.5	8.0	8.5	8.5	4.5	4.0	3.0	3.0	2.5	3.0	3.5	3.5	3.5	3.0	5.0	4.0	5.0	6.0	7.0	7.5	7.5	8.0
	10 Mc																							
F_{am}	43	44	43	43	43	41	37	31	*29	*27	*25	25	26	27	29	37	41	45	47	45	45	45	44	43
D_u	4	3	3	4	1	2	6	8				8	7	11	10	6	4	4	4	6	4	2	3	4
D_ℓ	4	6	4	6	11	7	3	7				5	3	4	4	6	8	6	6	4	6	6	3	4
V_{dm}	4.0	3.0	3.5	4.5	4.0	4.0	3.0	3.5	*4.0	3.0	2.5	3.0	2.5	2.5	3.0	3.5	3.0	3.0	3.0	3.5	4.0	4.0	3.0	3.5
L_{dm}	7.0	7.0	7.5	7.5	7.5	7.0	6.5	5.0	*6.0	5.0	4.0	4.5	3.5	5.0	6.0	6.5	7.0	6.0	6.5	7.0	7.0	7.5	7.0	7.0
	20 Mc																							
F_{am}	22	22	22	22	22	24	26	28	*24	*24	*24	24	26	28	28	30	30	32	30	28	24	24	24	22
D_u	2	2	2	2	2	3	4	2				4	7	4	6	4	2	4	6	3	4	2	2	2
D_ℓ	0	0	2	2	2	2	4	6				5	2	5	4	6	4	6	6	5	2	2	2	0
V_{dm}	2.0	1.0	1.0	1.0	1.0	2.0	2.5	2.5	1.0	2.0	2.0	1.5	3.5	2.0	2.5	2.0	2.5	2.5	3.0	2.5	3.0	2.0	2.0	1.5
L_{dm}	2.5	2.5	2.5	2.5	2.0	3.0	4.5	4.0	2.5	3.5	3.5	3.5	4.5	4.0	4.0	4.0	4.5	5.0	5.0	4.0	4.5	3.0	3.5	2.5

Table 6

RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1° N Long. 105.1° W Type Recorder ARN-2 Month October 1957

	Local Mean Time																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51kc																							
F_{am}	135	135	133	133	131	129	129	127	124	*123	*123	123	125	127	129	131	131	132	133	135	134	134	136	135
D_u	6	6	10	10	10	10	8	8	9			12	12	10	9	9	8	7	6	6	7	5	5	6
D_ℓ	6	8	6	6	6	8	10	14	12			10	12	16	14	15	14	15	10	8	5	5	9	8
V_{dm}	8.0	8.5	8.5	9.0	10.0	9.0	10.0	10.0	10.5	*12.0	*14.0	*12.5	11.0	10.0	10.0	10.5	10.0	10.5	9.5	9.0	9.5	9.0	8.0	8.5
L_{dm}	15.0	16.0	16.0	17.0	17.5	17.0	18.0	19.0	19.5	*19.0	*22.5	*21.0	19.0	*17.5	18.0	17.5	17.5	18.0	16.0	16.0	16.0	16.0	16.5	16.5
	113kc																							
F_{am}	118	118	116	118	112	110	107	98	99	*96	94	100	102	104	110	110	111	113	115	115	115	116	116	115
D_u	6	6	10	8	14	12	11	18	13		22	12	16	12	7	10	11	13	9	9	11	10	10	11
D_ℓ	10	8	8	10	10	14	19	22	19		16	20	24	24	26	26	21	17	9	9	7	8	6	7
V_{dm}	7.0	7.0	8.0	8.5	9.5	9.5	10.0	10.0	*11.0	*13.5	*8.0	*12.0	11.0	9.5	8.5	*11.0	9.5	*8.5	7.5	8.5	8.0	8.0	7.5	7.0
L_{dm}	15.0	15.0	14.0	16.5	17.0	18.5	19.0	18.0	*21.5	*24.0	*14.0	*21.0	21.0	19.0	17.0	*19.5	15.0	*16.0	15.0	16.0	15.5	15.5	14.0	14.0
	246kc																							
F_{am}	102	102	101	100	95	91	85	78	76	*77	75	77	77	83	85	86	87	99	103	99	101	101	101	101
D_u	7	9	12	13	16	12	12	15	21		18	15	24	12	13	25	25	18	8	16	14	10	10	10
D_ℓ	11	9	8	9	12	14	12	7	5		4	6	6	10	12	13	10	18	16	10	10	8	12	6
V_{dm}	6.5	6.0	7.5	7.0	8.0	*9.0	*8.0	*7.0	*6.0	*7.0	*7.0	*8.0	8.5	*6.0	*6.5	*9.0	*6.0	*7.5	7.0	7.0	6.5	7.0	6.5	6.5
L_{dm}	13.5	12.5	13.5	15.0	16.0	*15.0	*17.0	*11.0	*9.5	*13.0	*12.0	*11.5	13.0	*12.0	*12.5	*15.0	*13.5	*14.5	14.0	13.5	14.5	14.0	13.5	13.0
	545kc																							
F_{am}	89	87	87	85	89	78	77	77	79	*71	75	73	75	73	77	81	83	85	91	92	93	95	93	91
D_u	10	12	10	12	8	10	8	12	7		6	6	8	7	8	15	20	14	8	9	6	6	8	6
D_ℓ	8	6	6	8	12	7	6	9	9		6	4	4	6	7	7	12	12	8	7	6	10	6	6
V_{dm}	5.5	5.0	6.0	*5.0	*5.0	*3.5	*5.0	*3.0		*4.0	*3.5	*2.5	*4.0	*2.0	*7.0	*2.5	*10.0	*5.0	*5.0	5.0	*3.5	5.0	4.5	5.0
L_{dm}	11.0	12.0	12.0	*12.5	*12.0	*6.0	*8.0	*4.5		*7.5	*8.5	*4.0	*7.5	*4.5	*13.5	*5.0	*18.0	*10.0	*10.5	10.0	*8.0	9.0	8.5	10.0
	2.5 Mc																							
F_{am}	60	60	62	60	60	58	48	44	40	*44	*46	46	46	46	46	46	47	50	60	62	62	62	62	61
D_u	10	8	6	9	6	10	13	5	8			2	4	2	2	6	9	11	7	8	7	6	6	9
D_ℓ	6	8	12	12	14	16	7	7	4			6	5	5	4	4	7	4	7	8	6	6	8	7
V_{dm}	4.0	4.5	4.5	4.0	6.0	5.0	2.5	2.0	2.0	1.0	*1.5	1.5	2.0	1.5	1.5	1.5	2.5	2.5	3.5	3.0	5.0	4.0	4.0	5.0
L_{dm}	8.0	8.0	9.5	10.0	11.0	10.5	4.5	3.5	3.0	2.5	*3.0	2.5	2.5	2.5	3.0	3.0	4.0	5.0	7.5	7.5	9.5	9.0	9.0	9.0
	5 Mc																							
F_{am}	59	57	57	58	57	56	47	37	35	*36	37	37	37	37	39	41	45	53	55	57	57	57	57	57
D_u	2	4	6	5	6	5	6	8	8		7	6	8	8	6	7	6	4	8	6	6	4	4	4
D_ℓ	10	8	6	7	8	9	4	6	8		6	6	4	4	5	7	6	8	6	8	8	10	8	10
V_{dm}	4.0	4.0	3.5	4.0	4.0	4.0	3.0	2.0	2.0	1.5	1.5	1.0	2.0	1.5	1.5	2.0	3.5	3.0	3.0	3.5	4.0	4.0	4.0	4.0
L_{dm}	8.0	8.0	8.0	8.0	7.5	8.0	7.0	3.5	3.5	3.0	3.5	3.5	3.5	3.0	3.0	3.0	5.5	6.0	7.0	7.5	8.5	8.0	8.0	8.0
	10 Mc																							
F_{am}	44	44	44	44	42	40	40	34	28	*27	25	25	26	28	34	38	42	46	46	46	44	44	44	44
D_u	3	2	4	2	4	4	4	6	10		12	10	10	12	4	6	4	2	4	3	4	4	4	3
D_ℓ	2	2	3	4	2	4	4	4	2		5	3	3	2	6	8	4	6	4	4	2	2	2	2
V_{dm}	3.0	3.0	3.0	2.5	3.0	3.0	3.0	3.0	3.0	3.5	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.5	3.0	3.0	3.5	3.0	3.0
L_{dm}	5.5	6.0	6.0	5.5	7.0	5.5	6.0	6.0	6.0	6.0	3.0	4.0	4.0	5.5	6.0	6.5	6.0	6.5	6.0	6.0	6.5	6.0	6.0	6.0
	20 Mc																							
F_{am}	22	22	22	22	22	24	26	28	27	*26	26	26	28	28	30	30	32	32	32	28	26	26	24	22
D_u	0	0	0	0	0	2	4	6	6		2	9	8	4	6	2	6	4	6	9	8	2	2	3
D_ℓ	0	2	2	2	0	2	2	2	1		2	2	2	2	4	2	2	3	6	2	2	2	2	0
V_{dm}	1.0	1.0	1.0	1.0	1.0	1.5	2.0	1.0	1.0	*1.5	1.5	1.0	1.5	*2.5	2.0	1.5	2.0	1.5	2.0	2.0	2.0	2.0	1.0	1.0
L_{dm}	2.0	2.0	2.0	2.5	2.5	2.5	4.0	3.0	3.0	*4.0	3.0	4.0	3.5	*4.0	4.0	3.5	3.5	2.5	4.0	4.5	4.0	4.0	3.0	2.5

Table 7

RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Type Recorder ARN-2 Month November 19 57

	Local Mean Time																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
F_{am}	124	126	124	126	125	124	120	117	113	*108	*108	109	113	110	108	107	112	118	120	124	126	125	125	124
D_u	14	9	12	7	8	9	6	12	15			9	14	19	18	19	18	13	14	8	11	8	4	12
D_ℓ	8	7	8	5	9	5	6	4	7			7	11	8	8	5	12	11	7	9	10	9	9	6
V_{dm}	11.5	*9.5	9.5	*9.0	10.0	9.5	11.0	11.0	13.0	*10.0	*14.0	*12.5	10.5	*12.5	10.0	*13.5	*9.0	*11.0	11.0	*10.0	10.5	10.0	10.0	*10.5
L_{dm}	19.0	*18.0	17.0	*16.5	18.0	19.0	18.5	18.5	21.0	*18.0	*22.5	*21.0	18.0	*19.0	17.0	*21.0	*14.0	*17.5	19.5	*18.0	19.0	17.5	19.0	*21.0
F_{am}	110	112	110	108	109	108	94	87	89	*82	*90	86	90	82	86	85	94	106	108	106	108	107	111	109
D_u	13	8	12	9	9	11	14	21	20			15	22	31	29	26	20	9	8	10	15	13	12	14
D_ℓ	7	10	10	9	10	16	6	7	13			11	13	4	10	9	10	14	10	10	10	9	11	7
V_{dm}	11.5	*9.0	9.0	*9.0	10.0	*10.0	9.0	*8.5	8.0	*8.0	*5.0	*5.0	*8.0	*7.0	*6.0	*5.0	6.0	*5.5	9.5	*8.0	8.0	*7.5	7.5	*7.0
L_{dm}	19.0	*16.0	15.5	*15.0	17.0	*17.0	15.5	*16.5	18.0	*15.0	*8.0	*6.5	*16.0	*12.5	*10.5	*7.5	12.0	*9.5	16.0	*12.0	12.0	*14.5	16.0	*14.0
F_{am}	97	97	96	94	93	87	76	75	75	*73	75	75	75	75	75	73	80	87	91	90	93	94	99	95
D_u	16	10	12	7	10	14	18	9	14		14	16	17	18	17	18	19	12	15	13	16	12	13	15
D_ℓ	6	11	10	11	12	11	5	4	4		4	3	4	4	4	2	7	11	13	11	9	13	12	12
V_{dm}	6.5	7.5	7.0	*10.0	9.0	*8.5	5.0	*4.5	5.0	*6.0	*6.0	*4.0	5.0	*4.5	5.0	*4.0	5.0	*4.0	10.0	*6.0	7.0	8.5	10.0	7.5
L_{dm}	13.0	16.0	13.5	*18.0	15.5	*15.0	9.0	*8.0	8.5	*11.0	*11.0	*7.0	9.0	*7.0	9.0	*7.0	10.0	*8.0	17.5	*10.0	12.0	13.5	15.5	16.5
F_{am}	87	83	83	80	87	87	80	79	79	*77	77	77	79	75	77	81	85	85	89	89	90	94	93	87
D_u	8	8	10	8	5	4	5	6	10		5	5	2	6	6	4	3	8	7	6	9	3	6	11
D_ℓ	6	7	9	6	9	4	7	6	8		3	9	5	4	6	4	6	4	5	4	4	9	6	4
V_{dm}	5.0	*4.5	7.0	*4.5	4.0	*5.5	*3.0	*4.0	*3.0		*3.0	*2.5	4.0	3.0	4.0	*2.5	*5.0	*6.0	*5.0	*4.0	4.0	*5.0	*4.0	*4.5
L_{dm}	12.0	*10.0	12.5	*10.0	9.0	*10.0	*7.5	*7.0	*6.0		*5.5	*4.0	7.0	6.0	6.5	*4.5	*8.0	*11.0	*11.0	*7.5	8.0	*10.0	*8.5	*10.0
F_{am}	52	57	53	54	*53	53	49	49	*48	*48	*49	49	*49	49	*49	50	*49	52	51	53	*53	54	*53	56
D_u	15	11	12	12		11	10	3				2		5		3		13	6	15		16		13
D_ℓ	5	7	6	7		6	2	3				3		2		4		5	4	6		4		7
V_{dm}	4.5	4.5	*5.0	4.0	*3.5	4.0	*4.0	5.0	*2.5	*5.5	*2.0	*3.0	*3.0	3.5	*3.0	*3.0	*3.0	*4.0	*3.0	*4.0	*3.5	*4.0	*3.0	4.0
L_{dm}	8.0	8.0	*8.0	7.0	*8.0	8.0	*6.0	8.0	*4.5	*8.0	*3.0	*5.0	*4.0	5.5	*4.5	*4.0	*5.0	*7.5	*5.5	*9.0	*7.5	*9.0	*6.0	9.5
F_{am}	51	51	51	52	51	53	48	44	*39	*38	*39	39	*40	41	*41	41	45	47	49	49	51	51	*49	51
D_u	12	10	12	11	10	6	5	3				5		2		4	6	9	4	10	4	6		8
D_ℓ	7	7	4	5	3	9	6	3				4		4		4	3	5	5	4	5	6		5
V_{dm}	*3.5	4.5	*3.0	*5.0	*4.0	4.0	*2.0	*2.0	*1.0	*2.0	*2.5	*2.5	*2.0	2.5	*2.5	*2.0	*1.0	3.5	*2.5	*4.0	*3.5	*3.0	*2.0	*5.0
L_{dm}	*7.0	9.5	*6.0	*10.0	*6.5	8.0	*5.0	*5.0	*3.0	*4.0	*4.5	*4.0	*3.5	4.5	*5.0	*4.0	*3.0	7.0	*6.0	*8.5	*7.0	*6.5	*5.0	*9.5
F_{am}	43	43	45	44	43	44	39	39	*33	*32	*28	29	*29	31	*33	37	41	42	43	43	44	45	44	46
D_u	4	6	4	5	4	2	6	3				4		4		3	6	7	4	7	3	3	3	5
D_ℓ	4	6	8	5	4	9	6	6				4		3		5	5	2	3	2	5	3	4	5
V_{dm}	*3.5	*4.0	*2.5	*4.0		*6.0	*2.0	3.0	*2.0	*3.0	*3.0	*3.5	*3.5	*4.0	*3.5	*3.5	*4.5	*4.0	*2.5	*2.5	*5.0	*4.0	*4.0	*4.0
L_{dm}	*7.0	*8.0	*6.0	*8.0		*10.0	*4.0	6.0	*3.5	*5.0	*4.0	*5.5	*5.0	*7.0	*6.0	*7.0	*7.5	*7.0	*5.0	*5.0	*8.0	*8.0	*7.0	*7.5
F_{am}	*26	23	*24	23	*24	24	*26	27	*30	*27	*29	27	*29	30	*32	31	*34	31	*34	30	*26	24	*24	23
D_u		5		2		4		7				4		6		3		6		5		4		4
D_ℓ		3		1		2		2				3		3		2		2		4		3		1
V_{dm}	*1.5	*2.0	*1.0	2.0	*2.0	2.5	*2.0	*2.0	*1.0	*2.5	*1.0	*2.0	*1.5	*3.0	*1.0	*2.0	*2.0	*2.0	*2.0	*2.0	*2.0	*2.0	*1.5	1.5
L_{dm}	*2.5	*3.5	*3.0	3.5	*3.5	*4.5	*3.0	*4.0	*3.0	*4.5	*3.0	*3.5	*3.5	*5.5	*2.0	*4.0	*4.0	*4.0	*4.0	*5.0	*4.0	*3.5	*3.0	3.0

RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1° N Long. 105.1° W Type Recorder ARN-2 Month December 19 57

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	121	121	121	121	123	121	119	117	109	*103	99	103	102	103	104	103	103	109	117	117	119	119	121	119
D_u	4	4	6	6	5	7	8	4	6		22	10	15	16	20	23	20	12	9	12	11	11	8	10
D_ℓ	6	4	3	4	7	6	4	6	4		2	8	5	8	9	7	4	5	7	6	8	7	8	4
V_{dm}	9.0	10.0	9.0	9.5	10.0	11.0	11.5	11.5	11.0	10.0	10.5	9.0	11.0	9.0	11.5	11.5	12.0	9.0	9.0	10.0	9.0	9.5	10.0	9.0
L_{dm}	17.0	17.0	16.0	17.5	19.0	19.0	20.5	19.5	18.5	17.0	18.5	16.0	18.0	17.0	18.5	21.5	19.0	17.0	16.0	17.5	17.0	17.0	17.0	17.5
	113 kc																							
F_{am}	103	103	102	101	101	95	91	83	77	77	77	77	77	77	77	81	87	95	99	100	101	101	103	103
D_u	5	6	7	9	10	14	11	11	16		20	8	9	16	22	18	13	12	13	15	14	14	10	9
D_ℓ	6	7	7	6	6	4	5	4	2		3	2	2	3	2	6	6	5	7	7	6	6	8	6
V_{dm}	5.5	6.5	7.0	7.5	9.0	7.0	9.0	6.5	3.0	4.0	3.0	3.0	3.0	3.0	3.5	3.5	4.0	7.0	6.0	6.0	6.5	6.5	6.0	6.5
L_{dm}	10.0	11.0	12.5	14.0	14.5	10.0	15.0	11.5	7.5	*6.0	5.0	5.0	5.0	5.5	6.0	6.0	8.5	10.5	12.0	11.0	13.0	10.5	11.0	12.0
	246 kc																							
F_{am}	86	84	84	84	80	76	74	74	74	*72	74	74	74	74	74	74	74	76	78	82	82	85	86	86
D_u	5	10	9	12	12	14	11	10	12		11	9	10	9	11	8	10	15	19	16	16	11	13	13
D_ℓ	4	4	6	6	4	2	2	2	2		2	2	2	3	2	2	1	2	3	8	5	7	8	5
V_{dm}	5.0	5.0	6.0	6.0	5.0	5.0	3.5	4.0	4.0	*4.0	4.0	4.0	4.0	4.0	3.5	3.0	3.5	4.0	4.0	5.0	6.0	5.5	5.0	5.5
L_{dm}	9.5	9.5	10.0	10.5	10.0	10.0	6.5	8.0	7.0	*8.0	8.0	7.0	8.5	7.5	6.0	7.0	6.5	8.0	8.0	8.5	10.0	10.5	8.5	11.5
	545 kc																							
F_{am}	82	78	78	78	82	88	82	81	82	80	82	80	80	80	82	84	84	82	88	86	88	92	90	86
D_u	4	6	2	6	6	6	6	6	5	4	6	5	4	4	4	4	6	4	5	6	7	4	6	6
D_ℓ	4	4	7	6	7	6	7	6	7	6	8	7	2	6	4	6	4	3	6	6	4	2	3	5
V_{dm}	*4.0	5.0	4.0	5.5	*4.0	3.0	3.0	3.0	*2.0	*3.5	*4.0	2.5	4.0	3.0	3.0	2.0	*3.0	4.0	*2.0	3.0	3.0	3.0	3.5	*2.0
L_{dm}	*9.5	9.0	7.0	9.0	*8.0	6.0	6.0	5.0	*4.0	*5.0	*7.5	5.0	7.0	6.0	6.0	5.5	*7.5	7.0	*5.0	6.5	7.0	7.0	8.0	*5.0
	2.5 Mc																							
F_{am}	50	50	50	50	50	48	48	48	48	*46	48	48	48	48	48	48	48	48	50	50	50	50	50	50
D_u	7	6	6	5	5	8	8	3	4		1	4	2	2	4	4	2	4	6	8	8	16	7	6
D_ℓ	2	2	2	2	2	2	2	3	3		4	2	2	2	2	2	2	0	2	2	2	2	2	2
V_{dm}	3.0	3.5	3.0	3.0	3.0	3.0	2.5	2.0	2.0	*2.0	*2.0	2.5	2.0	3.0	2.5	2.5	2.0	2.0	3.0	3.0	3.0	2.0	2.5	3.0
L_{dm}	4.5	6.0	4.0	5.0	5.0	4.5	5.0	3.0	3.0	*2.0	*3.0	3.5	3.0	4.5	3.0	3.0	2.5	3.0	3.0	4.0	4.0	3.5	4.0	4.0
	5 Mc																							
F_{am}	48	48	50	50	50	50	48	48	40	*40	40	40	40	40	40	42	42	46	46	48	47	48	48	48
D_u	7	6	4	4	4	6	6	4	2		2	2	2	2	2	0	5	7	8	5	6	6	6	6
D_ℓ	3	2	4	4	4	4	3	5	2		2	2	1	0	0	2	2	4	4	4	3	4	4	4
V_{dm}	5.0	5.0	5.0	*3.0	*2.5	3.0	3.0	2.5	2.0	*2.0	2.5	2.0	2.5	2.0	2.0	2.0	2.5	3.5	3.5	4.5	3.0	*5.5	*3.0	*3.0
L_{dm}	9.0	8.0	9.5	*6.0	*4.5	5.0	5.5	5.0	3.0	*3.0	4.0	4.0	3.5	4.0	3.5	3.5	4.0	5.0	6.0	7.0	4.5	*9.0	*4.0	*6.0
	10 Mc																							
F_{am}	42	42	42	42	42	38	38	36	32	*30	26	28	28	30	32	36	40	40	42	42	42	44	42	43
D_u	5	4	3	4	2	4	5	3	4		7	4	4	2	2	4	3	5	5	3	2	1	3	3
D_ℓ	2	3	4	2	4	2	4	2	2		2	2	2	4	4	4	4	2	4	2	2	4	2	3
V_{dm}	5.0	*5.0	*6.0	5.0	*5.0	*4.0	*3.0	3.5	3.5	*2.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.0	*6.0	4.0	*5.0	*4.5	*5.0	5.0
L_{dm}	9.0	*7.5	*9.5	8.0	*7.0	*7.0	*6.0	5.0	5.0	*3.0	4.5	3.5	5.0	3.5	5.0	6.0	6.0	5.0	*9.0	7.5	*8.0	*7.5	*8.0	6.0
	20 Mc																							
F_{am}	24	24	24	24	24	24	26	26	28	26	26	26	26	28	28	28	30	28	28	26	24	24	24	22
D_u	3	6	4	5	3	3	4	4	5	8	4	6	6	4	4	4	4	5	6	3	5	3	3	4
D_ℓ	2	2	2	2	2	2	2	0	2	0	2	2	2	2	0	2	2	1	4	2	2	2	2	0
V_{dm}	2.0	2.0	2.5	2.0	1.5	2.0	2.5	*3.0	*2.5	*3.0	3.5	2.5	*3.5	3.0	2.5	2.0	3.0	2.5	2.0	2.5	2.5	2.0	2.0	2.0
L_{dm}	3.0	3.5	3.0	3.0	3.0	2.5	4.0	*4.0	*4.0	*4.0	5.0	4.0	*5.0	4.5	4.5	4.0	4.5	4.0	4.0	3.5	4.0	3.5	3.0	3.0

RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1° N Long. 105.1° W Type Recorder ARN-2 Month January 19 58

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	120	122	122	124	122	122	120	120	114	104	102	102	102	102	104	102	106	110	116	120	118	120	120	120
D_u	10	9	9	6	7	8	8	4	6	9	10	11	14	7	11	12	9	10	8	4	8	8	6	10
D_ℓ	6	6	4	8	4	4	4	8	8	4	10	8	8	8	10	8	11	8	12	10	8	8	8	8
V_{dm}	11.5	10.0	11.0	9.0	10.0	9.5	11.0	10.0	12.5	12.0	*13.0	12.0	13.0	12.5	12.0	13.5	12.5	12.5	11.0	11.0	11.0	10.0	10.5	11.0
L_{dm}	18.0	16.5	19.0	15.0	16.5	16.0	19.0	18.0	20.0	20.0	*19.0	20.0	20.0	19.0	19.5	21.0	20.5	20.0	17.5	18.0	17.5	16.5	19.0	18.0
	113 kc																							
F_{am}	102	100	101	102	102	98	92	86	82	76	76	76	76	76	80	80	84	92	98	100	102	98	100	100
D_u	15	17	15	14	14	15	13	8	11	15	16	15	18	14	13	15	12	9	12	10	10	12	10	14
D_ℓ	6	4	5	6	8	8	4	4	8	2	2	4	4	4	6	6	6	1	8	6	10	6	6	6
V_{dm}	7.5	8.0	8.0	9.0	9.0	7.0	11.0	10.0	6.5	*3.5	*7.5	*5.0	*4.0	3.0	3.5	4.5	6.0	6.0	8.0	8.0	9.0	8.0	8.0	8.0
L_{dm}	11.0	12.0	15.0	14.0	14.0	14.0	18.5	16.0	10.0	*6.0	*11.5	*8.0	*6.0	5.0	6.0	9.0	9.0	7.5	11.5	13.0	14.0	13.0	10.5	13.0
	246 kc																							
F_{am}	85	85	83	83	84	77	75	73	73	73	71	73	73	73	73	73	73	73	79	81	85	83	85	85
D_u	17	19	19	19	16	19	10	2	2	2	4	2	4	2	2	7	10	19	16	16	14	16	12	15
D_ℓ	8	6	5	6	9	4	4	2	4	3	1	4	4	4	4	2	2	0	6	8	10	8	10	8
V_{dm}	8.0	9.5	*8.0	7.0	6.0	6.0	*9.5	5.0	*7.0	*4.0	*4.5	5.0	4.0	5.0	4.0	*4.0	4.0	7.5	*6.5	6.0	*7.5	7.5	6.0	*6.0
L_{dm}	16.0	15.5	*13.0	13.5	12.0	11.5	*13.5	8.0	*10.0	*7.0	*8.0	8.0	7.5	8.0	7.0	*7.0	8.0	11.0	*11.0	10.0	*12.5	12.0	11.0	*9.5
	545 kc																							
F_{am}	77	75	73	73	79	85	81	81	81	75	77	75	75	75	77	79	85	79	87	83	87	91	89	85
D_u	9	9	6	10	9	8	6	4	6	9	3	6	4	8	8	8	3	4	2	6	6	4	4	8
D_ℓ	6	7	9	6	5	4	8	13	8	10	17	10	9	8	23	6	29	6	11	12	6	6	6	6
V_{dm}	*4.0	*3.5	*5.0	4.0	*4.0	*3.0	*3.0				*2.0	*2.0	*4.5	2.0	*2.0	*1.0	*4.5	*3.5	*2.0	2.5	*3.5	*2.5	*3.5	3.0
L_{dm}	*8.0	*7.5	*9.0	7.5	*10.0	*7.5	*5.5				*6.0	*4.0	*7.0	4.0	*3.0	*3.0	*8.5	*8.0	*6.0	6.0	*7.0	*5.5	*6.5	6.0
	2.5 Mc																							
F_{am}	52	51	51	52	52	50	50	48	48	46	46	48	48	48	48	48	48	48	50	50	50	50	51	51
D_u	10	10	7	5	5	9	7	4	0	2	2	0	2	2	2	2	2	3	5	7	9	11	11	9
D_ℓ	3	2	2	4	4	2	2	1	2	2	2	3	2	2	2	2	2	2	3	3	2	2	3	3
V_{dm}	2.5	3.0	2.5	3.0	3.5	3.0	2.0	3.5	2.0	2.0	*2.0	1.5	2.0	1.5	1.5	1.5	2.0	1.5	3.0	2.5	3.0	3.0	2.5	3.0
L_{dm}	4.5	5.5	5.0	6.0	6.0	5.0	4.5	5.5	4.0	4.0	*3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.5	4.5	5.5	4.5	5.5
	5 Mc																							
F_{am}	50	51	51	51	51	49	48	45	37	37	37	37	37	37	39	39	39	45	47	49	50	49	49	49
D_u	7	7	4	3	3	4	6	5	2	2	2	2	2	2	0	0	2	7	6	6	6	6	6	5
D_ℓ	3	4	2	3	4	3	4	3	2	2	2	2	0	0	4	2	2	4	2	4	4	2	3	3
V_{dm}	*3.0	*4.0	*4.0	*5.0	*6.0	*4.5	4.5	3.0	2.0	2.0	2.0	2.0	2.0	1.0	2.5	2.0	*2.5	*2.0	*3.0	*3.0	*2.0	3.5	*4.5	*4.0
L_{dm}	*6.5	*8.0	*8.5	*10.0	*10.0	*7.5	7.0	5.5	4.5	4.0	4.0	4.0	4.0	3.0	4.0	4.0	*4.0	*5.5	*4.5	*5.0	*6.5	6.0	*7.5	*7.0
	10 Mc																							
F_{am}	43	42	43	41	41	41	39	37	33	29	25	25	25	27	29	35	39	41	43	43	43	43	43	43
D_u	2	4	2	4	3	2	4	2	2	4	2	2	2	2	4	2	2	3	2	3	3	4	4	4
D_ℓ	2	3	4	4	5	4	4	3	2	2	2	2	2	2	2	4	2	3	2	2	2	2	2	2
V_{dm}	*3.5	*5.0	*5.0	*8.5	*6.0	*5.0	*3.0	*4.5	*3.5	2.5	*1.5	2.0	3.0	*3.0	*3.0	*7.0	*4.0	*2.0	*5.0	*5.0	*6.5	*5.0	*5.0	*4.5
L_{dm}	*6.0	*8.0	*9.0	*10.0	*8.5	*8.0	*6.5	*7.5	*5.0	5.0	*3.0	4.0	4.0	*4.0	*5.0	*10.5	*7.0	*4.0	*8.0	*8.5	*10.0	*8.5	*8.5	*7.0
	20 Mc																							
F_{am}	23	23	23	23	23	23	25	27	29	27	27	27	27	29	29	29	31	29	28	27	25	25	23	23
D_u	3	2	2	2	2	2	2	2	2	5	4	2	2	2	4	4	0	4	3	4	3	2	2	2
D_ℓ	2	2	0	0	0	0	2	2	4	4	4	2	2	2	2	2	4	2	1	2	2	2	2	2
V_{dm}	2.0	2.0	2.0	2.0	1.5	2.0	2.0	2.0	2.5	2.5	*3.0	2.0	3.0	3.5	3.5	2.0	2.5	3.0	4.5	3.0	3.0	2.5	2.0	2.0
L_{dm}	3.0	3.0	3.0	3.0	3.0	4.0	4.0	3.5	4.5	5.0	*5.0	4.0	5.5	5.0	5.5	5.0	4.5	5.0	5.0	4.5	5.5	5.0	3.5	4.0

RADIO NOISE DATA

Station Boulder, Colorado Lat. 40.1° N Long. 105.1° W Type Recorder ARN-2 Month February 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	120	118	118	118	124	124	118	120	124	*114	115	114	116	114	118	118	122	122	128	126	130	130	130	124
D_u	14	16	12	10	6	10	8	10	8		4	6	6	14	12	10	6	4	6	6	6	8	6	12
D_ℓ	6	6	10	10	6	4	6	8	10		2	4	14	4	6	2	10	6	6	8	6	8	6	4
V_{dm}	10.0	10.5	10.5	10.0	11.5	12.0	12.0	13.5	12.0	*11.5	*11.0	*12.5	13.0	13.0	12.5	*13.0	13.5	12.0	11.0	11.0	10.0	11.0	11.0	11.0
L_{dm}	18.0	19.0	18.5	18.5	20.0	20.0	18.5	21.5	20.0	*17.5	*17.0	*19.0	20.0	20.5	20.5	*18.0	21.0	21.0	18.5	19.0	18.0	18.0	17.0	18.5
	113 kc																							
F_{am}	104	106	104	106	106	100	91	86	84	82	78	81	84	88	86	90	90	98	101	104	103	103	104	104
D_u	14	12	14	10	6	16	13	8	18	8	14	11	14	14	18	20	16	14	15	12	17	17	16	16
D_ℓ	8	10	10	12	14	14	7	10	10	8	6	6	10	14	12	14	10	8	9	10	9	7	8	6
V_{dm}	7.5	9.0	9.5	9.0	10.0	*12.0	10.0	10.0	*9.0	*9.0	*9.0	*6.0	*12.0	11.5	*11.0	*11.0	11.0	9.0	9.5	9.0	9.0	10.5	9.0	9.0
L_{dm}	14.0	15.0	15.0	15.0	17.5	*17.0	13.5	14.0	*12.0	*12.0	*13.0	*9.0	*20.0	16.5	*17.0	*19.0	17.0	14.5	15.0	15.0	14.0	17.0	15.0	14.5
	246 kc																							
F_{am}	90	86	86	86	87	81	73	72	72	*72	72	72	72	72	74	72	74	80	87	86	86	88	88	90
D_u	18	21	18	16	11	17	15	4	6		4	4	6	6	12	12	16	20	15	18	18	16	18	18
D_ℓ	10	8	8	12	13	11	3	4	4		4	2	4	4	6	2	6	10	15	8	8	8	4	10
V_{dm}	7.0	7.0	8.0	8.5	9.0	8.5	7.5	6.0	5.0	3.5	4.5	5.0	7.0	4.5	8.0	4.0	7.0	8.0	8.0	9.0	8.5	9.0	9.0	8.0
L_{dm}	11.0	10.5	12.0	14.0	16.0	*13.5	*11.0	*8.5	*7.5	*5.0	*8.0	7.5	10.0	7.0	*13.0	*6.0	*11.0	13.0	16.0	15.5	12.0	15.5	14.0	15.0
	545 kc																							
F_{am}	80	82	80	82	82	80	78	75	68	64	64	66	70	71	72	68	72	78	80	81	81	82	82	82
D_u	14	10	12	8	6	8	4	5	8	7	8	12	10	13	10	18	10	12	14	11	13	10	12	12
D_ℓ	4	6	4	4	4	4	4	5	2	5	10	9	12	7	16	10	10	10	10	11	5	6	6	6
V_{dm}	6.5	*5.0	5.0	6.0	*3.0	*4.0	*4.5	*4.0	*2.0	*4.0	*3.0	2.5	*5.0	*3.0	*2.5	2.5	*2.0	5.0	*5.0	*4.0	*3.0	*4.0	*3.0	4.0
L_{dm}	9.5	*10.0	10.0	10.0	*6.0	*7.0	*7.5	*9.0	*4.0	*7.0	*5.5	4.0	*7.0	*5.5	*4.0	4.5	*6.5	9.0	*8.5	*7.0	*6.0	*7.0	*7.0	8.0
	2.5 Mc																							
F_{am}	52	52	54	54	54	50	49	47	46	46	46	46	46	46	46	46	48	48	52	53	52	52	53	53
D_u	13	15	11	10	9	10	6	4	3	2	2	2	2	2	2	4	0	3	7	12	13	11	9	9
D_ℓ	6	6	6	8	7	5	3	4	5	3	4	4	2	2	2	2	4	4	6	7	6	6	7	6
V_{dm}	4.0	4.5	*4.5	4.0	4.5	4.0	4.0	4.0	2.5	2.5	2.5	3.0	2.5	2.5	3.0	2.5	3.0	3.0	4.0	4.0	4.0	5.0	*3.5	5.0
L_{dm}	6.0	8.0	*7.5	7.0	7.0	7.0	6.5	6.5	5.0	4.0	4.0	5.0	4.0	4.0	4.0	4.0	4.0	5.0	7.0	6.5	7.5	8.0	*6.0	7.5
	5 Mc																							
F_{am}	53	53	54	54	54	52	51	42	36	36	*36	36	36	38	38	38	40	45	50	52	53	54	53	54
D_u	8	7	6	6	4	6	5	8	4	2		4	4	2	4	4	4	10	10	8	6	6	7	8
D_ℓ	7	7	7	7	6	6	6	4	4	6		2	2	4	4	4	4	5	8	8	7	8	7	8
V_{dm}	6.0	7.0	5.0	5.0	6.0	6.0	4.0	4.0	2.5	3.0	3.0	3.0	2.5	3.0	2.5	2.5	2.5	4.0	5.0	5.0	5.0	5.5	7.0	6.0
L_{dm}	11.0	11.0	10.0	10.0	10.0	11.0	8.0	7.0	5.0	5.0	5.0	5.0	4.0	4.5	4.0	5.0	4.0	8.0	9.0	8.0	10.0	10.5	12.0	10.0
	10 Mc																							
F_{am}	44	45	44	44	44	39	40	38	32	*28	26	26	26	28	30	35	38	44	44	46	45	46	45	46
D_u	4	2	3	2	3	7	4	4	4		4	4	6	6	8	7	8	5	6	4	5	2	3	2
D_ℓ	3	7	5	8	7	5	5	4	4		2	2	4	4	6	5	4	4	3	6	6	5	6	7
V_{dm}	*5.5	*5.5	*4.0	*5.0	*	*4.5	*5.0	*5.0	3.0	*3.5	4.0	3.5	3.0	3.5	3.5	*4.0	5.0	5.0	*5.0	*5.0	*5.0	*6.0	*6.0	*
L_{dm}	*11.0	*9.0	*7.0	*8.0	*	*7.0	*9.0	*7.0	4.5	*5.5	6.0	6.0	4.5	5.0	5.0	*7.5	9.5	9.0	*9.5	*9.0	*9.5	*10.0	*11.5	*
	20 Mc																							
F_{am}	23	23	23	23	23	25	25	27	27	*27	27	27	27	27	29	31	31	31	29	27	25	23	23	23
D_u	0	0	1	2	2	0	2	5	6		5	4	4	6	4	2	2	2	7	5	4	2	2	1
D_ℓ	2	1	0	1	0	2	2	3	2		3	2	4	2	4	4	4	3	2	4	2	2	2	2
V_{dm}	2.0	2.0	1.5	1.5	2.5	2.5	3.0	3.0	2.5	*3.0	3.0	3.0	3.5	3.0	3.5	3.0	4.0	3.0	3.5	3.0	3.0	2.5	2.5	2.5
L_{dm}	3.0	3.0	3.0	3.0	4.0	4.0	5.0	5.0	4.0	*5.0	4.5	6.0	5.0	5.0	6.0	5.0	6.0	4.5	5.5	5.0	5.0	4.0	4.0	3.5

RADIO NOISE DATA

Station BOULDER, COLORADO Lat. 40.1N Long. 105.1W Type Recorder ARN-2 Month MARCH 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	126	126	125	125	127	121	119	115	111	*113	*113	*115	116	116	*119	*117	117	119	119	125	125	125	123	125
D_u	6	6	5	6	10	4	10	8	13				13	16			14	12	14	8	11	9	11	8
D_ℓ	7	7	4	4	8	1	6	4	8				7	6			18	16	8	7	6	7	4	6
V_{dm} *	11.5	10.0	11.0	11.0	9.5	13.0	11.5	9.0	10.0	11.0	13.0	8.5	9.0	10.0	7.5	11.0	7.5	8.0	7.5	8.0	8.0	9.0	9.5	7.5
L_{dm} *	18.0	16.0	17.0	17.5	14.5	19.5	16.0	13.5	15.5	19.5	17.5	12.5	12.5	12.0	13.0	16.0	13.0	12.0	13.0	12.0	14.0	11.0	14.0	12.0
	113 kc																							
F_{am}	108	108	109	111	109	95	91	85	85	*84	*89	*85	91	89	*93	*89	95	99	105	109	107	109	107	109
D_u	10	9	6	7	12	14	13	18	10				16	19			14	9	14	12	16	11	13	10
D_ℓ	5	3	6	8	10	2	8	8	10				13	12			16	18	8	7	7	9	5	8
V_{dm} *	11.0	10.0	10.0	9.0	11.0	13.0	12.0	8.0	8.5	9.0	8.0	8.0	8.0		12.0	10.0	14.0		6.0	7.0	9.0	8.5	8.0	9.0
L_{dm} *	15.5	14.0	14.0	12.5	17.0	15.5	16.0	9.5	11.0	12.5	9.0	10.0	13.0		18.0	16.0	22.0		10.0	11.0	13.5	12.0	12.0	13.0
	246 kc																							
F_{am}	92	94	91	*92	83	76	70	70	70	*72	*70	70	74	73	*74	*72	76	79	87	94	89	88	90	90
D_u	11	10	11		13	12	12	10	8			13	8	11			26	17	16	13	18	16	17	15
D_ℓ	6	8	7		5	4	2	2	2			4	4	3			8	9	10	14	8	8	6	4
V_{dm} *	8.0	10.0	6.0	8.5	10.5	12.5	10.0		9.0	12.5	8.5	6.0	8.0		9.0		6.5	10.0	6.5	8.0	6.5	11.0	7.0	12.5
L_{dm} *	13.0	14.0	6.5	15.0	13.0	19.0	11.0		13.0	20.0	8.5	6.0	8.0		10.5		7.0	10.0	10.5	8.0	7.0	17.0	7.0	18.0
	545 kc																							
F_{am}	82	81	79	78	85	81	75	77	77	*73	*73	75	75	*75	*79	*81	80	72	85	85	89	90	89	85
D_u	9	8	10	13	6	4	6	6	6			12	19				18	28	12	10	6	7	14	8
D_ℓ	5	10	8	5	6	16	8	6	4			4	5				5	3	8	3	6	4	4	5
V_{dm} *	6.0	8.0	8.0	11.0	6.5				4.5				4.0				3.5	4.0	5.0	5.0	6.5	7.0	4.0	8.0
L_{dm} *	7.0	11.5	8.0	17.0	10.0				5.0				8.0				7.0	6.0	8.5	5.0	9.0	7.0	4.5	14.5
	2.5 Mc																							
F_{am}	55	55	55	57	53	49	45	43	42	43	*43	45	43	45	45	45	45	45	49	53	55	55	53	55
D_u	11	12	11	8	12	13	6	4	4	4		2	4	4	4	4	4	4	12	15	15	15	13	13
D_ℓ	3	4	4	7	5	4	4	6	3	4		6	2	4	6	6	4	4	3	5	6	6	4	4
V_{dm}	6.0	*4.0	*4.5	4.0	4.0	*3.0	4.0	*2.0	*1.5		*1.0		*2.0	*1.5		*2.5	*1.5	*1.5	4.5	*4.0	*4.0	*6.5	*5.5	*3.5
L_{dm}	9.0	*7.5	*8.5	5.0	5.5	*6.0	6.0	*3.0	*3.0		*4.0		*4.0	*2.0		*3.5	*2.5	*3.0	5.0	*5.5	*6.0	*12.0	*9.5	*6.5
	5 Mc																							
F_{am}	55	55	55	55	53	53	47	35	33	35	37	37	37	37	*39	39	39	43	53	53	55	55	55	55
D_u	4	4	5	6	8	5	6	6	5	4	2	4	5	5		4	4	6	7	10	6	7	6	8
D_ℓ	4	4	3	2	3	5	6	4	5	4	4	6	4	3		8	6	3	6	5	6	6	6	4
V_{dm}	4.0	*5.0	*4.5	3.5	*4.0	5.5	*3.5	*3.0	2.0		*2.5	*2.5	*2.0	*2.0		*2.0	*3.5	5.0	*4.0	*5.0	*5.5	5.5	*5.0	*6.0
L_{dm}	7.0	*8.0	*8.0	6.5	*6.5	10.0	*7.0	*4.0	4.0		*5.0	*5.0	*4.0	*2.5		*3.0	*5.0	8.0	*7.5	*7.5	*8.0	9.5	*10.5	*10.0
	10 Mc																							
F_{am}	45	45	43	43	43	41	39	33	27	27	25	25	25	27	29	32	37	43	43	45	45	45	45	45
D_u	2	2	4	5	4	5	4	5	4	4	4	2	3	6	4	7	6	4	7	5	5	6	4	2
D_ℓ	4	4	2	2	3	2	3	5	3	8	4	4	2	4	4	4	4	4	2	4	4	4	4	4
V_{dm}	5.0	*4.0	*4.0	*4.0	*4.5	*4.0	*4.0	*4.0	3.0	*3.0	*2.0	*3.0	*2.5	*4.5		*5.0	*4.0	4.0	5.5	5.0	*5.0	4.5	4.0	4.5
L_{dm}	7.0	*6.5	*7.0	*6.0	*7.5	*7.5	*6.5	*5.0	4.5	*6.0	*4.0	*5.0	*4.0	*5.0		*7.5	*5.0	7.0	8.0	7.5	*8.0	6.0	5.5	8.0
	20 Mc																							
F_{am}	23	23	23	23	23	25	26	27	26	*25	24	26	27	26	*25	29	30	31	29	27	25	25	23	23
D_u	2	2	2	2	3	2	5	4	5		6	5	7	6		4	3	6	5	6	8	5	2	4
D_ℓ	2	1	2	2	2	2	3	4	4		3	5	5	5		4	4	4	2	5	4	4	2	2
V_{dm}	2.0	1.5	1.5	1.5	1.0	1.5	2.5	2.5	*3.0	*4.5	*7.5	*3.5	*3.0	*3.5	*9.5	*3.5	*2.0	*2.5	3.0	3.0	*2.5	*1.0	2.0	*2.0
L_{dm}	3.5	3.0	2.5	2.0	3.0	3.0	4.0	4.0	*5.0	*8.0	*11.0	*6.0	*5.0	*4.0	*11.0	*4.5	*3.0	*4.5	5.0	4.0	*3.0	*2.0	2.0	*2.0

RADIO NOISE DATA

Station BOULDER, COLORADO Lat. 40.1N Long. 105.1W Type Recorder ARN-2 Month APRIL 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	130	128	128	130	126	122	122	116	116	*118	*114	122	122	120	120	121	123	118	129	130	130	132	128	128
D_u	9	11	9	6	6	9	7	12	12			9	10	13	13	9	10	15	6	9	13	12	15	11
D_ℓ	12	9	7	11	12	7	12	11	9			11	11	15	5	11	12	9	17	10	6	9	6	6
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	118	116	118	118	110	105	103	104	99	*101	106	100	102	106	102	105	106	112	114	118	120	118	118	118
D_u	8	10	8	6	13	9	8	6	10		9	16	14	14	23	19	20	16	16	12	10	12	10	10
D_ℓ	16	12	14	15	13	18	18	22	23		23	13	18	18	14	22	16	22	14	10	10	10	11	12
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	102	101	104	104	92	82	78	77	78	*84	*78	80	84	83	82	84	87	89	100	106	105	102	102	104
D_u	9	12	5	5	11	8	14	18	13			14	13	19	26	25	23	23	14	10	10	16	11	11
D_ℓ	20	15	17	23	14	11	7	5	6			7	11	10	9	10	13	13	15	14	18	10	5	20
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	91	88	90	88	78	78	74	82	*81	*72	75	76	77	76	79	77	76	74	82	86	90	90	92	92
D_u	5	6	5	6	12	7	8	2			5	9	4	8	13	11	14	28	20	21	14	15	12	9
D_ℓ	14	11	14	16	10	9	8	9			3	6	6	4	5	3	8	6	10	4	3	4	4	9
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	61	63	63	65	61	51	45	45	47	*43	*43	46	45	47	45	47	47	48	57	66	68	65	64	63
D_u	9	7	6	6	7	6	8	7	8			5	4	4	4	7	2	7	8	5	3	7	7	8
D_ℓ	6	6	8	10	11	5	6	5	8			5	5	6	4	6	7	6	7	13	13	11	7	7
V_{dm}	4.5	4.5	3.0	4.0	3.5		3.0	2.5	1.5	2.0	2.0	2.0	1.5	2.0	2.0	2.0	2.0	2.0	4.0	5.5	4.0	4.5	4.5	4.0
L_{dm}	6.5	8.5	6.5	7.0	5.0		5.0	3.0	2.0	3.5	3.0	2.0	2.0	2.0	2.5	3.0	3.5	3.5	7.0	10.0	6.5	6.5	7.0	7.0
	5 Mc																							
F_{am}	60	59	60	60	58	49	41	38	38	*36	37	36	38	39	39	40	44	48	58	60	61	60	59	59
D_u	5	6	5	3	5	10	10	6	6		7	8	6	5	6	7	4	10	8	8	5	6	7	5
D_ℓ	6	6	6	6	6	5	6	7	8		10	2	4	9	7	9	10	8	8	6	5	5	3	5
V_{dm}	5.0	4.0		4.5	3.0		2.5	2.0	1.0	1.5	2.0	2.0	3.0	2.5	3.5	3.0	4.0	5.0	6.0	6.0	6.0	5.0	5.0	5.5
L_{dm}	9.0	7.0		7.0	5.0		6.0	5.0	4.0	4.5	4.5	3.0	4.5	4.0	4.5	5.0	6.5	10.0	11.0	11.0	10.0	10.0	10.0	10.5
	10 Mc																							
F_{am}	47	47	45	45	44	43	39	33	28	*27	*27	26	27	31	35	38	43	45	49	49	47	47	47	45
D_u	4	3	5	6	6	3	4	6	7			8	9	6	7	3	4	5	4	4	4	4	5	4
D_ℓ	5	7	4	5	5	6	6	2	2			2	3	7	9	9	9	4	4	6	4	5	5	4
V_{dm}		3.5	4.5	4.0	3.0	4.0	3.5	1.5	3.0	4.5	3.0	3.5	3.0	4.5	5.0	5.5	5.0	5.0	5.0	5.0	4.5	4.0	4.0	4.5
L_{dm}		6.0	7.5	7.0	6.0	6.0	5.0	3.0	5.0	9.0	6.5	7.0	5.5	7.5	7.0	9.0	9.0	8.5	9.0	10.0	8.0	9.0	7.0	9.0
	20 Mc																							
F_{am}	24	24	24	24	24	26	26	25	24	*26	*25	24	24	24	28	28	28	30	28	26	24	24	24	24
D_u	2	4	4	4	3	4	5	8	7			7	7	8	5	5	8	6	6	6	6	8	6	6
D_ℓ	0	1	2	1	1	2	4	3	2			4	3	2	6	6	4	6	5	4	2	2	2	2
V_{dm}	1.5	2.0	1.5	2.0	2.5	1.5	3.0	2.5	2.5	2.5		4.0	2.5	2.0	2.5	3.0	2.5	3.0	3.0	4.0	2.5	2.5	2.5	2.5
L_{dm}	3.0	4.0	3.0	3.5	4.0	3.0	5.0	5.0	4.5	6.0		6.0	4.0	4.5	3.0	5.5	4.5	6.0	5.0	6.0	3.5	4.0	3.0	4.0

RADIO NOISE DATA

Station BOULDER, COLO. Lat. 40.1N Long. 105.1W Type Recorder ARN-2 Month MAY 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	137	136	137	136	131	130	128	124	124	*126	*126	132	132	136	136	140	144	142	142	142	144	141	140	140
D_u	6	7	5	5	7	7	9	11	8			11	12	9	10	13	7	6	4	6	5	6	7	5
D_ℓ	7	6	4	7	11	7	10	10	4			6	6	6	5	6	14	10	9	14	12	13	13	11
V_{dm} *	130	12.0	13.0	14.0	13.0	13.5	15.0	14.5	14.5	13.0	16.0	15.0	14.5	13.0	12.5	11.0	11.5	11.0	13.0	12.5	12.0	12.0	12.0	12.5
L_{dm} *	21.5	20.0	21.0	22.5	22.0	23.5	25.0	25.0	24.0	28.0	24.5	23.0	22.5	21.0	20.0	19.0	20.0	20.0	21.0	200	21.0	19.5	19.0	21.0
	113 kc																							
F_{am}	123	123	121	121	113	109	114	111	108	*109	*109	114	117	124	123	129	129	129	129	129	129	129	127	123
D_u	8	6	8	8	10	12	6	12	13			12	9	11	10	11	12	6	6	4	6	5	8	8
D_ℓ	8	12	6	7	11	13	17	26	19			12	12	11	8	9	11	13	12	10	8	10	15	18
V_{dm} *	12.5	12.5	12.0	14.0	14.5	13.0	14.0	14.0	15.0	17.5	15.0	15.0	14.0	13.0	12.0	13.0	12.0	12.5	12.0	12.5	11.5	11.0	12.0	13.0
L_{dm} *	21.5	22.0	21.0	25.0	25.0	25.0	25.5	26.0	26.0	280	26.0	25.0	23.5	24.0	21.0	205	21.0	21.0	215	21.0	22.0	20.0	20.0	22.0
	246 kc																							
F_{am}	109	107	106	107	95	93	99	93	83	*93	*93	99	108	113	111	117	118	116	119	116	116	115	110	110
D_u	6	8	9	5	12	14	8	16	22			11	9	16	10	17	8	8	6	13	5	6	11	9
D_ℓ	12	8	7	9	12	22	18	20	8			22	17	15	14	14	15	17	16	12	7	12	8	18
V_{dm} *	11.5	12.0	10.5	14.0	14.5	12.5	13.5	14.5	12.0	15.5	16.0	14.0	13.0	12.0	12.0	10.5	11.0	11.5	11.0	11.0	12.0	11.5	11.0	11.0
L_{dm} *	205	22.0	21.0	23.0	24.5	23.0	240	24.0	18.5	24.0	27.0	26.5	24.0	22.0	21.5	20.0	210	21.5	21.0	20.5	20.0	20.0	19.0	19.0
	545 kc																							
F_{am}	88	89	88	84	72	78	74	80	*80	*73	*79	83	90	98	99	101	102	101	102	98	100	98	98	96
D_u	9	7	8	6	10	8	10	4				19	13	16	9	17	8	9	9	10	6	6	5	4
D_ℓ	4	6	6	15	6	12	4	12				11	6	19	22	16	19	17	13	8	12	8	16	13
V_{dm} *	11.0	12.0	11.0	10.5	9.0	9.0	8.5	11.0	9.5	9.0	12.0	16.0	13.0	14.0	12.0	12.0	14.5	11.0	11.0	12.0	12.0	12.5	11.0	8.5
L_{dm} *	21.0	22.0	20.0	21.0	19.0	16.0	14.0	19.5	17.5	17.0	18.5	25.0	23.5	23.5	21.5	23.0	22.0	21.0	21.0	21.5	21.0	19.0	19.0	17.0
	2.5 Mc																							
F_{am}	72	70	70	68	64	50	44	44	46	*46	*46	48	50	58	52	61	64	52	64	69	74	72	72	70
D_u	4	6	6	6	8	11	11	4	2			19	21	19	23	23	24	20	14	7	4	4	4	6
D_ℓ	12	10	7	4	14	9	7	6	3			2	4	12	15	12	14	14	12	5	10	6	8	11
V_{dm}	*6.0	*6.0	6.5	6.5	7.5	5.0	*2.5	*6.5	*2.5	*0.5	*2.0	*1.5	*7.0	*9.5	*10.5	*8.0	*7.5	*6.0	*5.0	*6.0	*6.0	*4.0	*6.5	*5.5
L_{dm}	*12.0	*11.0	12.5	13.5	12.5	9.0	*7.0	*9.5	*5.5	*5.0	*3.0	*2.0	*10.0	*15.5	*16.0	*13.0	*13.0	*11.0	*11.0	*11.0	*11.0	*9.0	*11.5	*10.5
	5 Mc																							
F_{am}	62	62	62	60	58	49	42	43	42	*42	42	44	44	46	48	56	52	54	59	62	64	62	62	60
D_u	6	6	2	4	4	7	10	4	2		2	5	12	18	16	18	20	12	5	4	6	4	6	5
D_ℓ	6	5	4	4	6	7	3	6	6		4	5	4	2	4	12	6	8	5	4	4	4	6	2
V_{dm}	7.0	6.5	*6.0	5.5	*6.0	*5.5	*6.0	*2.0	*3.5	*2.0	*2.0	*2.0	*5.5	*10.0	*9.5	*8.0	*7.5	*6.0	*5.0	*5.0	*5.0	*6.0	*6.0	*5.0
L_{dm}	11.5	12.0	*11.0	10.5	*11.0	*10.0	*9.0	*7.0	*8.0	*5.0	*3.5	*3.5	*8.5	*15.0	*15.0	*13.0	*12.5	*11.0	*9.5	*10.0	*9.5	*10.5	*11.5	*10.0
	10 Mc																							
F_{am}	45	43	45	43	41	39	37	35	30	*29	*29	33	36	39	41	43	45	47	49	49	51	47	45	47
D_u	4	6	2	4	2	6	5	3	6			2	5	6	8	14	9	6	4	7	2	4	6	4
D_ℓ	3	2	7	4	3	5	6	8	4			8	9	6	6	6	6	4	4	6	8	4	3	6
V_{dm}	*5.5	5.5	*6.0	*5.0	*4.5	*5.0	*7.0	*6.0	*5.0	*4.0	*3.0	*5.0	*7.5	*8.0	*8.0	*6.5	*5.0	*4.5	*5.0	*4.0	*5.0	*5.0	*5.0	*5.0
L_{dm}	*9.0	9.5	*9.5	*9.5	*7.5	*9.0	*9.5	*10.0	*8.5	*8.5	*6.0	*8.0	*12.5	*12.0	*12.0	*10.0	*7.5	*8.0	*8.5	*7.0	*9.0	*7.5	*9.0	*9.5
	20 Mc																							
F_{am}	23	23	23	23	23	25	25	25	23	*23	23	25	27	27	27	27	29	29	27	27	25	25	23	23
D_u	5	3	2	0	4	5	2	2	3		9	4	14	15	12	8	14	8	21	4	4	4	4	4
D_ℓ	0	0	2	2	2	2	3	4	2		2	4	4	4	5	4	4	4	6	4	2	2	0	0
V_{dm} *	3.0	2.5	2.5	1.0	2.5	1.5	3.0	3.0	3.0	3.0	1.5	4.0	4.0	7.0	6.0	4.5	4.0	4.0	3.5	3.5	2.5	4.0	4.0	2.5
L_{dm} *	5.0	4.0	4.0	2.5	5.5	5.0	5.0	5.0	5.5	6.0	4.5	6.0	7.0	11.5	9.0	9.0	7.5	6.5	6.0	6.5	6.0	7.0	6.0	5.5

RADIO NOISE DATA

Station BOULDER, COLORADO Lat. 40.1N Long. 105.1W Type Recorder ARN-2 Month JUNE 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	140	139	137	137	133	129	129	127	127	129	129	131	133	133	137	139	139	141	141	142	143	142	143	141
D_u	5	6	7	4	5	7	7	8	7	8	6	8	8	12	14	8	14	6	10	4	7	6	4	6
D_ℓ	11	8	8	8	6	2	4	6	7	8	2	5	5	4	8	9	8	9	10	7	11	10	9	9
V_{dm}	*6.0	*7.5	*9.0	*10.0	*12.0	*12.5	*12.5	*13.0	*12.0	*12.0	*11.0	11.0	11.0	8.5	*9.0	*10.0	*10.0	*10.0	*8.0	10.0	*10.0	*9.5	*8.0	*9.0
L_{dm}	*12.5	*12.5	*15.5	*17.5	*19.0	*19.5	*21.0	*22.0	*20.0	*20.0	*19.0	17.0	16.5	13.5	*15.5	*14.0	*15.5	*14.0	*13.0	15.0	*13.0	*15.5	*14.0	*16.5
	113 kc																							
F_{am}	126	128	126	124	118	116	114	112	109	110	112	114	116	120	123	125	128	128	128	130	130	130	130	128
D_u	6	4	6	5	6	8	10	10	10	10	8	10	12	12	8	12	12	12	10	6	8	6	5	5
D_ℓ	2	7	6	11	9	11	8	10	10	9	8	12	12	14	12	10	11	10	6	6	9	6	7	5
V_{dm}	9.0	10.0	*9.5	*10.0	12.5	*14.0	*14.0	*14.5	*14.0	*12.0	11.0	10.5	11.0	9.5	10.0	12.0	10.5	11.0	12.0	10.0	9.5	9.0	8.0	9.0
L_{dm}	15.5	17.0	*16.0	*18.0	20.5	*22.0	*23.0	*24.0	*24.5	*20.0	19.5	19.0	18.0	16.0	15.0	17.5	15.5	17.0	19.0	16.0	16.0	16.0	15.5	15.0
	246 kc																							
F_{am}	112	112	110	108	104	102	98	94	90	94	94	96	98	104	109	112	116	114	116	117	116	118	116	114
D_u	8	10	10	5	5	8	12	13	16	12	10	14	18	16	12	14	14	14	12	8	11	6	6	6
D_ℓ	8	8	6	10	16	16	14	12	10	15	12	18	14	20	19	16	17	18	12	14	11	13	10	8
V_{dm}	*9.0	*10.0	*9.0	11.0	*10.5	*11.0	*12.0	*13.0	*12.0	*10.0	*10.5	10.0	*11.0	11.0	11.0	13.0	12.5	13.0	9.0	9.5	10.0	*7.0	8.0	*9.0
L_{dm}	*13.5	*16.0	*14.0	18.0	*15.5	*18.0	*19.0	*19.5	*20.0	*16.0	*16.0	16.0	*16.5	17.0	17.5	22.0	17.5	19.5	17.5	14.0	17.0	*11.5	14.0	*14.0
	545 kc																							
F_{am}	97	95	93	88	79	83	79	84	83	73	77	79	81	93	95	98	98	101	102	101	101	101	99	98
D_u	8	12	10	11	14	8	12	6	4	12	13	20	28	15	15	21	20	14	8	8	10	10	8	7
D_ℓ	8	6	6	11	14	10	8	9	8	2	4	6	6	17	14	13	16	14	19	16	12	11	7	6
V_{dm} *	10.0	10.5	10.0	11.0	11.5	9.5	9.5	10.0	8.0	6.5	8.5	5.5	8.0	10.5	16.0	11.5	8.0	10.0	14.5	15.0	14.0	8.0	8.5	9.5
L_{dm} *	16.0	17.0	15.0	19.5	17.5	16.0	9.0	15.5	16.0	10.5	13.0	9.0	12.5	13.0	24.5	21.5	12.5	24.0	23.5	23.0	20.0	13.0	12.5	14.0
	2.5 Mc																							
F_{am}	74	72	72	72	60	48	45	44	*44	*46	46	48	51	52	56	62	65	64	70	70	74	74	74	74
D_u	4	6	5	6	8	12	21	14			8	19	21	26	30	28	19	23	10	10	6	4	4	4
D_ℓ	4	1	4	8	12	4	8	4			2	3	5	4	8	14	15	16	16	12	6	2	4	4
V_{dm} *	1.0	20	2.0	1.5		1.5	1.0											9.0	6.0	5.5	2.0	2.0	1.0	1.0
L_{dm} *	6.0	8.0	8.0	7.5		7.5	5.0											15.0	13.5	12.5	8.0	7.0	6.0	6.5
	5 Mc																							
F_{am}	64	63	61	61	57	51	43	41	*39	*41	*41	43	43	45	45	48	50	53	57	61	63	65	65	63
D_u	3	6	8	6	6	7	9	6				2	12	18	22	25	25	22	6	4	11	4	4	6
D_ℓ	5	8	4	6	7	8	6	8				2	2	4	4	4	5	5	7	3	2	4	4	2
V_{dm} *	1.0	2.0	2.0	1.0	2.0	3.5	3.5	2.5								3.5	3.5	4.5	3.5	3.0	1.0	1.5		2.0
L_{dm} *	7.0	8.5	7.5	7.5	9.0	10.0	9.5	8.0								5.5	7.5	10.0	9.5	9.0	7.0	7.5		7.5
	10 Mc																							
F_{am}	44	44	44	44	42	40	36	38	*32	*32	30	31	36	36	40	44	46	48	48	50	50	50	48	46
D_u	11	8	14	4	5	11	13	5			6	8	13	22	9	12	20	9	7	4	5	3	4	6
D_ℓ	2	2	3	4	6	5	1	7			2	4	11	4	7	12	4	6	2	4	4	4	2	2
V_{dm} *		4.5	0.5			2.5	3.5	3.5				1.0			1.0	4.0	3.0	2.5	3.0	3.5	2.5	3.0	2.0	2.0
L_{dm} *		10.5	10.0			9.0	10.0	10.0				7.0			2.5	9.0	8.0	8.0	8.5	8.0	9.0	8.5	9.0	7.0
	20 Mc																							
F_{am}	24	24.	23	24	22	22	*23	*22	*21	22	22	22	22	24	26	28	26	26	30	28	28	28	26	24
D_u	2	1	1	0	2	2				4	2	5	7	5	5	7	13	14	6	6	4	8	4	3
D_ℓ	2	2	1	4	0	2				2	2	2	2	2	4	4	2	2	4	5	4	4	3	2
V_{dm} *																3.5	2.5	2.5	2.0		2.5	2.0	0.5	
L_{dm} *																6.5	6.5	7.0	7.0		8.0	6.5	5.0	

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RADIO NOISE DATA

Station BOULDER, COLORADO Lat. 40.1 N Long 105.1 W Type Recorder ARN-2 Month JULY 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	143	141	139	137	135	131	128	127	*125	129	131	135	137	141	149	147	147	145	146	147	147	145	143	143
D_u	4	6	8	8	5	5	6	8		4	4	14	16	12	12	8	7	5	5	6	6	6	8	6
D_ℓ	9	10	8	6	5	4	3	2		6	6	8	6	10	12	8	10	7	5	6	8	5	4	6
V_{dm}	9.0	*8.5	10.0	*9.0	*12.0	12.0	*14.0	*14.5	*14.0	*13.5	14.0	13.5	12.0	10.5	11.5	9.0	10.0	8.5	8.0	9.0	7.0	8.0	9.0	9.5
L_{dm}	14.0	*16.0	17.5	*15.0	*20.0	20.5	*23.0	*24.0	*22.5	*22.0	23.0	23.0	20.0	18.0	18.0	15.5	16.5	14.5	13.0	14.5	13.0	14.0	14.5	15.5
	113 kc																							
F_{am}	128	126	126	126	116	115	114	112	*108	*109	115	118	122	132	134	134	134	133	134	134	132	130	130	128
D_u	8	8	6	6	10	7	8	10			4	14	16	10	13	8	4	8	7	8	8	10	8	8
D_ℓ	8	6	8	8	6	9	12	12			18	7	10	14	9	10	14	10	7	8	8	6	6	6
V_{dm}	9.0	9.0	9.5	10.0	12.5	13.0	14.5	16.5	16.0	12.5	13.0	15.5	12.5	11.5	10.5	10.0	9.0	8.0	9.5	7.5	7.0	7.5	8.0	8.5
L_{dm}	15.5	16.5	17.0	17.5	20.0	23.0	25.0	26.0	22.5	22.0	21.5	24.5	21.0	20.5	19.0	18.0	17.5	14.5	16.0	14.0	14.0	13.0	14.5	15.0
	246 kc																							
F_{am}	114	114	112	112	104	100	98	94	*93	*94	101	106	117	120	124	124	124	122	122	122	120	118	118	116
D_u	9	6	4	4	8	8	8	13			4	16	11	12	13	9	6	7	8	8	8	10	8	8
D_ℓ	7	10	6	10	10	12	14	15			17	18	19	16	16	12	19	18	9	10	6	6	8	10
V_{dm}	8.5	8.5	9.0	10.0	11.5	14.0	*12.0	13.0	15.0	14.0	14.0	13.5	11.5	11.0	9.5	10.0	9.0	9.5	11.0	10.0	8.0	8.5	7.5	8.0
L_{dm}	15.0	15.5	16.0	17.0	20.0	24.0	*21.0	22.5	22.5	23.0	23.0	25.0	21.0	21.0	18.0	17.0	15.0	16.0	18.0	16.0	13.0	12.5	13.0	14.0
	495 kc																							
F_{am}	97	*95	95	91	83	*71	71	*73	*64	*63	*83	*101	*111	*114	112	111	109	107	107	104	105	102	100	99
D_u	8		6	6	8		14								11	6	4	6	11	11	8	7	9	8
D_ℓ	6		10	8	14		12								9	9	5	11	12	7	8	9	7	8
V_{dm}	6.5	6.5	6.5	8.0	10.5	10.0	9.5	8.5	9.0	7.0	10.0	11.0	8.5	7.0	7.5	7.5	7.5	11.0	9.5	10.0	6.0	7.5	7.0	6.0
L_{dm}	12.5	12.0	11.5	15.0	17.5	17.0	16.5	14.0	13.0	11.0	17.5	24.0	17.5	15.0	15.0	12.5	14.0	19.0	20.0	16.0	15.5	13.0	13.0	12.0
	2.5 Mc																							
F_{am}	74	72	72	70	66	52	44	44	44	*45	46	50	63	70	71	70	72	66	66	69	72	74	74	72
D_u	4	7	6	8	6	3	8	8	10		10	24	15	13	21	16	6	8	10	15	10	4	6	6
D_ℓ	6	5	7	4	5	7	4	4	4		4	6	18	23	25	22	24	12	14	13	4	4	4	2
V_{dm}	4.5	4.5	5.0	5.5	5.0	4.5	3.5				*4.0	*4.0	*9.5	9.0	*8.0	8.0	9.0	*10.0	8.0	5.0	4.0	4.5	4.0	5.0
L_{dm}	7.0	7.0	6.0	6.5	7.0	6.0	4.0				*4.0	*5.0	*13.5	14.5	*13.0	12.5	14.5	*14.0	10.0	5.0	6.0	6.0	7.0	5.0
	5 Mc																							
F_{am}	66	64	64	64	60	50	44	42	*42	*43	46	46	52	55	58	56	57	58	60	63	66	66	65	64
D_u	2	4	4	4	4	8	6	6			2	17	13	19	16	17	9	6	10	9	4	4	5	6
D_ℓ	4	4	4	4	6	4	4	2			9	8	10	12	14	13	13	8	10	5	2	2	3	2
V_{dm}	4.0	5.0	5.0	5.0	6.0	5.0	4.0	*4.5				*3.5	8.0	*8.0	7.0	6.5	6.5	*6.0	5.0	4.5	4.0	4.0	4.0	4.5
L_{dm}	6.5	8.0	7.0	6.0	8.0	8.0	5.0	*6.0				*5.5	5.0	*11.0	9.0	11.0	8.0	*9.0	7.5	6.0	6.0	5.0	5.0	5.5
	10 Mc																							
F_{am}	46	46	46	44	44	42	40	38	*30	30	30	37	42	41	42	43	46	48	50	50	50	48	48	47
D_u	2	6	6	6	3	4	4	4		12	13	11	11	17	20	11	6	6	6	4	6	4	4	5
D_ℓ	6	6	6	5	4	4	4	6		6	4	10	13	12	8	5	4	4	4	4	2	2	2	3
V_{dm}	5.5	5.0	5.5	*4.0	6.0	4.5	*6.5	*5.0			*4.0	*5.0	*6.0	*4.5	5.5	6.0	6.5	5.0	5.0	4.5	5.5	5.0	5.5	6.0
L_{dm}	8.0	8.0	6.5	*5.5	7.0	7.0	*8.5	*8.0			*5.0	*8.0	*10.0	*7.5	8.0	7.5	7.0	8.0	7.0	6.0	8.0	7.0	7.0	7.5
	20 Mc																							
F_{am}	24	23	23	23	23	25	25	24	*25	25	26	29	30	31	31	31	31	31	30	29	27	27	25	24
D_u	7	6	6	6	6	7	5	5		4	8	9	13	15	20	12	6	10	9	10	6	6	6	5
D_ℓ	1	1	2	2	2	4	4	3		2	2	5	5	6	5	4	4	4	3	4	4	4	2	1
V_{dm}	3.0	4.0	3.0	*2.0	3.5	*4.0	4.0	*4.0	*4.0		*4.0	*4.0	5.0	5.0	4.5	6.5	6.5	6.0	5.5	4.5		4.0	4.0	4.0
L_{dm}	4.0	4.0	4.5	*3.0	4.0	*4.0	5.5	*4.0	*6.0		*4.5	*6.0	6.5	9.0	7.5	8.5	8.0	8.0	6.0	5.0		5.0	5.0	4.0

RADIO NOISE DATA

Station BOULDER, COLORADO Lat. 40.1 N Long. 105.1 W Type Recorder ARN-2 Month AUGUST 19 58

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
Fam	138	138	138	136	134	132	130	130	*129	*130	130	136	139	142	144	144	144	143	144	142	141	140	140	140
Du	4	4	2	4	6	6	6	4			4	6	7	6	11	6	10	7	6	6	7	4	3	2
Dℓ	2	3	5	2	4	6	4	4			3	6	7	8	6	6	6	7	8	7	7	6	5	6
Vdm	8.5	9.0	9.5	9.5	10.0	11.0	12.0	10.5	*9.0	9.5	10.0	12.0	10.0	9.5	8.0	9.0	7.0	7.0	7.0	8.0	8.0	8.0	8.0	9.0
Ldm	15.0	14.0	15.0	15.0	17.0	18.0	19.0	19.0	*17.5	17.0	17.5	17.5	14.5	13.0	12.0	13.0	12.0	12.0	12.0	12.5	12.5	13.0	13.5	14.5
	113 kc																							
Fam	123	122	122	120	118	112	110	110	*105	*108	110	117	122	126	128	130	128	126	126	125	124	122	124	122
Du	4	6	5	6	5	9	8	8			8	10	10	8	7	7	13	10	10	9	9	13	7	6
Dℓ	5	5	6	4	7	6	9	12			6	10	8	14	14	16	11	10	10	7	5	5	5	5
Vdm	7.5	8.0	8.0	9.0	11.0	13.0	14.0	13.0	11.5	10.0	11.5	11.0	10.0	10.0	7.5	9.0	8.0	8.0	8.5	8.0	7.5	7.0	7.5	7.5
Ldm	13.0	13.0	13.5	14.0	19.0	20.0	21.5	21.5	19.0	18.0	17.5	17.0	17.5	15.5	13.0	15.0	13.5	15.0	14.5	14.0	13.0	13.5	12.5	13.0
	246 kc																							
Fam	107	107	105	105	99	93	91	93	*83	*88	94	99	109	111	117	121	115	113	112	111	109	109	109	107
Du	6	7	7	5	8	14	12	8			18	18	12	12	6	7	12	12	13	13	16	14	10	7
Dℓ	4	6	4	5	5	8	13	14			17	18	16	12	17	15	15	11	14	11	6	6	7	7
Vdm	8.0	8.5	7.5	8.0	10.5	12.0	12.5	10.0	*10.0	9.0	11.0	12.0	12.0	11.0	9.5	8.5	7.5	7.5	10.0	9.0	8.0	7.0	7.0	8.0
Ldm	15.0	14.5	13.5	14.0	18.0	21.0	21.5	20.5	*16.5	18.0	18.0	21.0	20.0	18.5	15.0	16.5	14.0	15.5	18.0	16.0	14.0	14.0	13.0	14.5
	495 kc																							
Fam	93	91	91	89	83	71	68	68	*63	62	72	85	91	101	101	104	99	97	96	93	92	92	91	93
Du	6	6	6	6	5	12	15	23		11	25	21	18	9	10	12	16	14	13	16	17	8	9	6
Dℓ	7	4	5	7	15	10	9	9		3	13	20	26	24	30	14	26	24	24	15	9	6	4	8
Vdm	7.0	7.0	8.0	8.0	9.0	7.5	6.5	8.0	3.5	4.5	8.0	13.5	11.5	11.0	10.0	8.5	8.5	9.0	10.0	9.5	8.0	7.0	6.5	8.0
Ldm	12.5	12.0	14.0	15.0	14.5	14.0	9.0	12.5	6.0	7.0	14.0	20.5	20.5	18.5	17.0	17.5	15.0	16.5	20.0	15.5	15.0	13.0	13.0	15.5
	2.5 Mc																							
Fam	69	67	67	67	67	53	45	45	*45	*45	45	49	49	53	59	62	63	62	61	65	71	71	69	69
Du	4	6	6	6	4	6	5	2			4	18	18	18	18	13	20	13	16	7	4	3	4	4
Dℓ	6	3	2	4	9	8	2	4			2	6	4	8	13	17	16	15	10	8	6	6	5	5
Vdm	4.0	4.5	4.5	4.5	5.0	5.5	3.0	*2.5	*2.0	*2.0	*2.5	*2.0	3.5	5.0	*5.0	*4.5	*4.0	*6.0	4.0	4.0	4.0	4.0	4.0	5.0
Ldm	8.0	7.5	8.0	9.0	9.5	8.0	5.0	*3.0	*3.0	*2.0	*5.0	*2.5	4.0	9.0	*8.5	*9.0	*8.0	*9.0	5.0	7.5	6.5	7.5	7.5	8.0
	5 Mc																							
Fam	61	61	61	61	59	53	45	43	*41	*41	43	44	45	45	51	51	51	53	57	63	65	63	63	63
Du	5	5	4	4	4	4	4	2			2	13	12	14	10	12	14	8	4	2	2	4	4	3
Dℓ	2	2	2	2	2	6	5	5			5	5	4	4	9	8	8	4	4	3	5	4	4	5
Vdm	4.0	4.0	3.5	3.5	4.0	4.0	3.0	2.5	*2.0	*2.5	*2.0	2.0	2.0	3.0	2.5	2.5	*2.0	3.0	*3.0	3.5	4.0	4.0	4.0	4.5
Ldm	6.5	7.0	6.0	6.0	7.0	7.0	4.5	3.5	*3.0	*3.0	*2.5	3.0	3.0	5.0	5.0	4.0	*4.0	5.0	*6.0	5.0	6.5	7.5	6.5	6.5
	10 Mc																							
Fam	48	48	48	46	44	42	40	36	*32	*29	30	30	34	36	40	44	46	48	50	50	50	50	48	48
Du	2	2	2	4	4	4	4	4			4	6	8	8	7	7	4	2	2	4	4	2	4	2
Dℓ	3	4	4	3	3	3	6	4			4	4	6	8	7	5	4	4	2	2	3	4	4	4
Vdm	4.0	5.0	4.5	5.0	5.0	5.5	5.5	*5.0	*5.0	*4.5	*4.0	4.0	4.5	4.0	4.0	3.5	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.5
Ldm	7.0	8.0	8.0	8.5	8.0	9.0	9.5	*7.0	*6.5	*5.0	*5.0	6.0	7.0	7.0	6.0	6.0	6.0	5.0	6.0	6.0	6.0	6.5	7.0	7.5
	20 Mc																							
Fam	24	24	24	24	24	26	28	28	*26	27	27	28	28	30	32	32	32	34	34	30	28	26	26	24
Du	2	2	1	0	2	10	7	4		5	7	6	6	8	5	6	4	6	7	6	4	4	4	2
Dℓ	1	2	2	2	2	2	4	4		3	3	2	4	6	4	2	4	6	7	4	4	2	2	0
Vdm	2.5	3.0	2.0	2.0	3.0	*4.0	*3.5	*3.5	*3.5	*3.5	*3.5	3.0	3.0	2.5	3.0	2.5	*2.5	*3.0	3.5	4.0	3.0	3.5	3.0	3.0
Ldm	3.5	4.0	3.0	2.5	4.0	*5.5	*5.0	*5.0	*3.5	*4.5	*4.0	5.0	5.0	4.0	5.0	4.5	*4.0	*5.0	5.0	5.5	5.0	5.0	4.0	3.5

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month September 19 58

Frequency (Mc)

Hour (LST)	51 kc					113 kc					246 kc					495 kc				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	133	4	4	9.0	13.0	116	10	4	9.0	13.5	102	10	4	8.5	13.0	90	6	6	7.0	12.0
01	133	6	4	9.0	13.0	116	10	4	8.5	13.0	102	8	6	8.0	12.0	91	3	7	9.0	11.5
02	131	8	2	*9.5	*14.0	118	6	6	8.0	11.5	100	10	4	7.5	11.5	90	6	4	*9.0	*15.0
03	131	6	4	*10.0	*15.5	116	8	4	7.5	12.5	102	6	4	8.5	13.0	90	6	6	9.0	15.0
04	131	6	10	*12.0	*18.0	116	8	6	*10.5	*17.0	100	8	6	*11.0	*16.0	84	8	6	*11.0	*18.5
05	129	4	8	*13.0	*18.0	109	11	7	*11.5	*15.5	86	14	12	*10.0	*14.5	62	16	6	*11.0	*16.0
06	127	8	6	*12.5	*16.5	104	14	12	*11.5	*15.0	77	21	5	*11.5	*11.5	60	16	4	*11.0	*10.0
07	125	8	8	*11.0	*15.5	102	14	13	*12.5	*16.0	76	22	6	*10.0	*16.5	58	21	2	*9.0	*14.0
08	123	6	7	*10.0	*14.5	98	15	10	*11.0	*14.5	74	21	6	*8.0	*10.0	*56			*4.5	*7.5
09	*125					*101					*76					*58				
10	*125					*103					*78			*17.5	*27.5	*60				
11	*129			*11.0	*19.0	106	16	10	*15.5	*24.5	84	24	12	*12.0	*24.0	62	31	6	*15.5	*25.5
12	131	6	4	*10.5	*16.0	108	16	8	11.0	15.0	88	20	12	*9.5	*16.0	72	30	14	*11.5	*21.0
13	131	10	5	*9.0	*16.0	110	18	14	10.0	18.0	94	24	18	*10.0	*21.0	68	35	10	*9.5	*17.0
14	131	11	4	*8.0	*14.0	113	17	11	*7.5	*14.0	94	31	20	*5.5	*11.5	72	35	14	*10.0	*19.0
15	133	9	4	*7.5	*13.0	115	16	14	*8.5	*15.0	102	20	25	*9.5	*19.0	82	26	24	*11.0	*21.0
16	135	4	6	*7.0	*13.0	112	12	10	*9.0	*16.0	94	17	20	*7.0	*15.0	78	22	18	*6.5	*13.5
17	133	6	6	*8.0	*13.5	112	14	8	*8.0	*14.5	96	16	18	*7.5	*14.0	78	20	17	*6.0	*11.0
18	133	9	6	8.5	13.5	120	12	8	*6.0	*10.5	104	16	13	7.0	13.0	92	16	17	7.0	14.0
19	135	10	4	8.0	14.0	120	12	6	7.5	13.0	106	17	8	8.0	15.0	92	10	10	7.5	13.5
20	135	10	6	8.0	13.0	118	14	4	7.5	13.0	102	16	4	8.5	14.0	90	12	4	8.0	12.0
21	133	7	2	*7.5	*13.0	116	12	2	7.5	12.0	100	14	3	7.5	13.0	92	8	6	8.0	13.0
22	133	6	3	*9.0	*13.0	118	8	4	*8.0	*11.5	102	10	4	8.0	14.0	90	10	2	*7.0	*11.0
23	133	8	2	8.5	13.5	118	8	6	7.5	12.5	102	12	6	8.5	13.0	90	8	2	7.5	12.5

Hour (LST)	2.5 Mc					5 Mc					10 Mc					20 Mc				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	67	3	9	6.0	10.0	58	6	4	4.5	8.0	47	2	3	5.0	9.0	23	2	2	2.5	3.5
01	64	7	4	7.0	11.0	59	5	3	4.5	8.5	47	2	5	5.0	8.5	23	0	2	2.0	3.0
02	64	7	5	6.0	10.5	60	2	5	5.0	8.5	47	2	5	4.5	8.0	23	0	2	3.0	3.5
03	64	5	6	6.0	11.0	60	2	3	5.0	8.0	47	2	6	5.0	8.5	22	1	1	2.5	3.0
04	64	5	8	7.5	13.5	58	5	2	5.5	8.0	45	4	6	5.0	9.0	23	1	2	2.5	3.5
05	56	10	9	5.5	7.0	56	4	5	4.0	7.0	43	4	4	5.5	9.0	25	6	2	3.5	5.0
06	48	2	6	2.5	5.0	46	5	4	4.0	7.5	39	4	2	4.5	7.5	29	6	4	3.5	4.5
07	47	1	9	*2.0	*3.5	44	1	7	3.0	4.5	35	6	4	5.0	7.5	29	4	4	3.0	4.0
08	46	2	6	*2.5	*3.0	42	2	9	*2.0	*3.0	31	5	2	*5.0	*6.5	29	4	6	*3.0	*4.0
09	*48			*2.0	*2.5	*43			*1.5	*2.0	*29			*5.0	*6.0	*27			*4.0	*5.0
10	*48			*2.0	*3.0	*44			*3.0	*4.0	*29			*7.0	*10.0	*27			*3.0	*4.0
11	*46			*1.5	*2.0	44	2	2	*2.5	*4.0	31	5	4	5.0	8.0	29	2	4	2.5	5.0
12	48	8	4	2.0	3.0	44	2	5	2.0	3.0	31	6	2	5.0	9.0	29	2	4	3.0	5.0
13	48	18	2	2.0	5.0	44	10	4	2.0	5.0	35	8	6	6.0	9.5	29	6	4	3.0	5.5
14	50	20	6	*4.0	*5.0	44	14	4	*2.5	*3.5	37	12	4	*4.5	*8.5	31	6	4	*3.0	*5.0
15	48	14	2	2.5	3.5	46	13	7	*2.5	*4.0	41	8	2	*5.5	*9.0	31	4	2	*3.0	*5.5
16	50	10	2	*2.5	*3.5	46	6	4	*3.0	*6.0	43	2	2	*4.0	*9.5	33	2	4	3.5	5.5
17	52	10	4	*3.0	*6.5	50	6	2	4.0	8.0	47	2	2	4.0	8.0	33	6	4	*4.0	*5.5
18	60	10	6	3.5	8.5	58	2	2	3.0	8.0	49	4	2	4.0	7.5	31	8	3	3.5	5.5
19	68	4	7	5.0	10.0	60	4	4	4.0	9.0	49	5	2	4.5	9.0	29	8	4	3.5	6.0
20	68	3	8	6.0	11.0	58	8	4	5.0	11.0	48	3	3	4.5	9.5	29	8	6	3.5	5.5
21	66	6	8	5.0	10.0	58	6	6	4.0	9.5	47	4	2	3.5	8.0	27	4	4	3.0	5.0
22	66	6	8	*5.0	*9.0	58	6	4	5.0	8.0	47	2	2	*4.0	*8.5	25	4	4	3.0	4.0
23	64	7	5	6.5	11.0	60	2	6	4.0	8.5	47	4	2	4.5	10.5	23	2	1	2.0	3.0

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month October 1958

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					495 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	*V_{dm}	*L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	*V_{dm}	*L_{dm}
00	127	4	2	10.5	16.0	111	5	4	7.0	10.0	100	5	6	6.5	12.0	88	6	4	6.5	11.5	61	6	12	4.0	7.0	56	6	6	*5.0	*8.5	46	2	4	*5.0	*9.0	22	2	0	2.0	3.5
01	127	6	4	10.5	17.0	113	3	6	7.5	11.0	98	2	4	7.5	14.0	86	5	6	7.0	13.0	59	8	10	5.0	7.5	56	4	3	*6.5	*9.0	44	4	2	*4.0	*7.5	22	2	0	2.0	2.5
02	125	7	2	10.0	17.0	111	4	3	7.5	12.5	96	4	4	8.0	16.0	84	6	4	8.0	15.0	59	10	10	4.0	7.0	56	2	5	*5.0	*8.0	44	4	2	*4.5	*8.0	22	4	2	1.0	2.5
03	126	6	3	11.0	18.0	111	4	4	8.5	14.0	94	7	4	9.0	16.0	84	6	6	10.0	18.0	59	10	8	3.0	5.0	56	4	4	*5.0	*7.0	46	2	4	*5.0	*8.0	22	2	2	1.0	2.0
04	125	7	6	11.5	18.0	109	6	9	11.0	18.5	90	11	5	9.5	18.0	80	10	11	10.0	18.0	57	10	6	2.0	3.5	56	3	6	*4.0	*7.0	44	2	4	*4.0	*7.5	22	2	0	1.0	2.0
05	121	6	5	12.0	19.5	102	7	13	*13.0	*20.0	84	10	8	*8.5	*14.5	71	7	9	*4.0	*7.5	55	11	5	2.5	4.0	56	2	6	*5.0	*7.0	40	3	3	*5.0	*8.0	24	2	2	1.5	2.0
06	119	9	6	11.5	19.5	93	16	8	*8.5	*11.0	74	16	4	*11.0	*15.5	62	8	6	3.0	5.0	51	13	6	2.0	3.0	50	10	6	*5.0	*7.5	38	4	0	*5.0	*7.0	26	8	2	3.5	4.5
07	117	9	8	11.5	20.0	87	16	6	*7.0	*8.5	72	14	2	*6.5	*11.0	62	4	6	3.0	5.0	49	19	7	2.0	3.5	42	5	7	*7.5	*3.0	34	3	2	*2.5	*4.5	28	2	3	2.0	3.5
08	115	9	7	*12.5	*21.0	87	14	8	*4.5	*6.0	72	13	3	*5.0	*8.0	60	8	2	*2.0	*4.0	49	19	8	2.0	4.0	42	2	12	*2.0	*3.0	31	2	2	*1.5	*3.0	30	0	4	2.0	3.5
09	*115			*13.0	*21.0	*85			*9.5	*12.5	*73			*2.5	*4.5	*63			*2.0	4.0	*49					*42			*3.5	*4.5	*29			*4.0	*5.0	*27			2.0	3.0
10	*115			*10.0	*17.5	*81			*3.0	*4.0	*73			*3.0	*5.0	60	6	2	*2.0	*4.0	*49			1.5	2.0	*42			*7.0	*10.0	*28			*2.0	*3.5	26	4	0	2.0	3.0
11	117	5	8	*12.0	*19.5	87	13	6	6.5	8.5	72	14	2	*5.0	*8.0	62	6	4	*2.5	*4.0	49	5	5	1.5	3.0	42	2	6	*3.0	*4.5	28	4	3	*2.0	*4.0	28	3	2	1.0	2.0
12	119	6	8	11.0	17.5	90	12	7	6.0	8.5	72	16	2	*4.0	*7.5	64	6	4	2.0	5.0	49	4	2	1.0	3.0	42	2	4	2.0	3.5	29	3	3	2.0	4.0	30	4	4	2.5	5.0
13	119	6	9	*9.5	*16.0	91	16	6	*8.0	*12.5	72	10	2	*5.0	*8.5	62	10	4	*2.0	*4.0	49	8	2	2.0	3.5	43	1	4	*2.0	*3.5	30	4	3	*2.5	*4.0	30	5	4	2.5	4.0
14	122	5	9	7.5	14.0	93	14	6	*6.0	*9.5	72	21	4	*4.0	*7.0	62	9	2	*2.0	*4.0	49	11	2	1.5	3.0	44	2	2	*2.5	*4.0	33	4	3	*4.0	*5.5	32	3	4	2.0	4.0
15	121	8	9	9.0	16.5	97	10	11	7.0	11.0	*73			*6.0	*9.0	63	5	5	*2.0	*4.0	49	3	2	2.0	4.0	44	2	3	*2.0	*5.0	*36					*30			2.5	4.0
16	125	6	8	*9.5	*17.5	97	12	8	7.0	9.0	76	14	4	*6.0	*9.0	64	7	4	3.0	5.0	*49			1.5	3.0	44	4	3	2.5	4.5	42	2	4	*5.0	*7.0	32	4	2	2.5	4.0
17	123	7	7	10.0	16.5	103	9	3	5.0	7.0	84	13	6	6.5	12.0	73	13	5	5.0	9.0	53	12	6	3.0	4.0	51	5	7	*4.0	*6.0	46	4	2	*5.0	*9.0	32	6	2	2.0	3.0
18	125	6	6	8.5	16.0	109	6	6	5.0	8.0	94	6	6	8.0	14.0	82	8	6	6.0	10.5	59	8	10	4.5	7.5	54	6	9	*5.5	*8.0	46	2	4	*4.0	*6.5	32	8	2	2.5	4.0
19	127	6	6	8.0	15.0	112	10	9	5.0	7.5	94	7	6	7.0	130	86	6	8	6.5	11.0	61	9	12	4.5	7.5	54	5	6	*5.0	*7.0	46	2	4	*4.5	*6.5	30	6	4	2.5	4.0
20	127	6	4	9.0	16.5	111	6	7	5.5	8.5	97	7	5	6.5	11.0	86	8	6	*6.0	*11.0	61	8	12	4.0	6.0	54	4	9	*4.0	*7.0	44	2	2	*5.0	*9.0	28	6	4	2.0	4.0
21	126	6	4	9.5	16.5	111	6	4	5.0	8.0	98	6	4	7.0	12.0	88	7	6	6.0	11.5	58	8	9	4.5	8.0	54	4	7	*5.5	*7.5	44	2	4	*5.0	*8.5	26	2	4	2.5	4.0
22	127	6	5	9.0	17.0	111	4	4	5.5	9.0	98	9	4	7.0	13.0	88	7	6	6.5	10.0	57	10	6	5.0	7.5	54	6	5	*5.0	*8.0	44	2	2	*4.0	*8.0	24	2	2	2.0	3.0
23	129	2	6	8.5	15.5	111	5	5	5.0	8.0	100	4	6	6.0	12.0	88	5	6	6.5	11.5	59	8	12	5.0	7.0	56	4	6	*4.5	*7.0	45	1	3	*3.5	*6.0	22	4	0	2.5	4.0

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month November 19 58

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					495 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	123	6	8	9.0	16.0	107	6	6	5.0	7.0	95	14	8	*6.0	*10.5	83	12	10	5.5	11.0	55	11	7	3.5	5.5						41	4	2	5.5	9.0	23	0	2	1.5	3.0
01	123	6	6	9.0	15.5	107	8	4	5.0	7.0	95	13	11	8.0	13.0	81	11	6	7.0	12.0	54	12	6	3.5	5.0						41	6	4	*5.0	*8.0	23	0	2	1.5	3.0
02	123	6	8	9.0	15.0	107	9	2	4.0	6.0	93	12	10	8.0	14.0	81	10	8	7.5	14.0	54	12	6	3.5	6.0						41	2	2	5.0	8.0	23	0	0	1.5	3.0
03	121	6	4	9.5	16.5	107	5	4	6.5	10.0	91	10	11	10.0	16.5	79	10	8	9.0	16.0	56	12	8	3.0	5.0						41	4	2	5.0	8.0	23	0	0	1.5	2.5
04	121	8	4	9.0	17.0	107	8	6	7.0	9.0	87	16	8	*8.5	*16.0	73	18	8	8.5	13.5	56	12	6	3.5	6.5						41	4	2	*6.5	*9.5	23	0	0	1.0	2.5
05	119	8	4	11.0	18.0	99	13	10	*9.0	*16.0	79	18	6	*9.0	*13.0	67	18	6	*4.5	*6.5	56	12	8	3.0	6.0						37	4	2	*5.0	*7.0	25	2	2	2.0	4.0
06	115	4	2	*10.5	*17.0	91	9	4	6.0	8.0	73	17	4	*6.0	*9.5	63	8	4	2.5	5.0	52	16	6	3.0	6.0						39	4	2	*3.0	*6.0	27	6	2	*3.0	*5.0
07	113	9	4	11.5	18.5	89	9	4	4.5	7.5	71	16	2	4.5	8.0	61	6	2	3.0	5.0	51	15	5	2.5	5.0						37	2	4	3.0	5.0	31	2	2	*2.0	*3.0
08	107	10	4	10.0	17.0	91	7	6	6.0	7.0	73	10	4	6.0	8.0	63	4	6	2.0	4.0	48	18	4	*2.5	*5.0						35	0	4	3.0	4.5	29	4	0	*2.5	*4.0
09	*105			*8.0	*15.0	*89			*3.5	*4.5	*71			*5.0	*8.0	*61			*2.5	*4.5	*48			*2.0	*4.0						*31			*2.5	*4.0	*29			*2.0	*3.0
10	*109			*10.0	*17.5	*89			*4.5	*5.0	71	6	2	*5.0	*7.5	62	3	5	*2.5	*4.5	*48			*1.5	*3.0						*29			*3.0	*5.0	29	2	2	*2.0	*3.5
11	107	5	3	*12.0	*19.0	89	6	4	*5.0	*6.0	73	6	4	5.0	7.5	63	4	6	*2.0	*4.0	48	15	6	*2.0	*4.0						29	2	2	*4.0	*4.5	29	2	2	*2.5	*4.5
12	109	8	10	13.0	20.5	89	6	2	4.5	6.0	73	12	4	4.5	8.0	63	8	6	2.0	4.0	48	16	6	2.5	4.5						29	5	2	4.0	5.0	29	2	0	2.5	4.0
13	109	9	7	12.0	18.0	91	8	5	*1.0	*2.0	72	15	3	*4.0	*6.5	63	7	4	2.5	5.0	50	13	6	3.0	5.5						31	6	2	2.5	4.0	29	4	0	2.5	5.0
14	109	16	4	11.5	19.0	94	14	8	7.5	8.0	73	12	2	*5.0	*7.0	63	8	4	2.0	4.0	48	14	4	2.0	4.5						33	8	2	*3.0	*5.0	31	2	2	2.0	4.0
15	110	12	10	10.5	18.0	92	13	7	6.5	8.0	*73			*4.0	*7.0	*62			*2.5	*4.0	48	15	4	2.0	3.5						*38			*5.0	*9.0	*31			*2.5	*4.5
16	*113			*8.5	15.0	99	9	6	3.5	5.0	79	14	8	6.5	11.0	68	5	6	*4.5	*5.0	*48			*2.0	*4.5						41	5	2	4.0	6.5	33	2	2	2.0	4.0
17	116	7	8	9.0	15.5	103	10	6	5.5	8.0	85	15	7	6.5	13.5	73	15	8	8.0	10.5	52	16	4	2.0	4.5						43	3	2	3.5	6.0	31	4	0	2.0	4.0
18	120	6	6	10.0	16.0	105	8	6	4.0	5.5	88	8	8	9.0	14.0	75	13	5	6.0	10.0	54	12	4	2.5	4.5						43	3	2	4.5	7.0	31	4	2	2.0	3.5
19	121	4	6	9.5	16.0	105	6	4	5.5	7.0	89	10	10	7.0	11.5	77	16	6	*8.0	*13.0	54	12	2	3.0	5.0						43	4	2	4.5	7.0	27	8	2	2.5	4.0
20	121	7	7	10.0	17.0	106	7	5	4.0	5.5	92	8	9	8.0	13.5	77	17	4	6.5	11.0	54	14	4	3.0	6.0						43	4	2	5.0	7.0	25	9	2	2.5	4.0
21	121	8	5	9.5	17.0	105	8	2	4.5	7.0	93	13	8	8.0	12.5	81	13	7	7.0	12.0	55	13	5	3.5	6.0						43	4	2	4.5	7.5	23	3	0	1.5	2.5
22	121	8	4	10.0	15.5	109	10	4	5.5	8.5	95	12	9	7.0	13.0	81	11	5	6.5	11.5	56	10	6	3.0	5.5						43	2	2	5.0	8.5	23	0	0	1.5	3.0
23	123	4	6	11.0	18.5	109	4	8	6.0	8.0	95	8	9	7.5	13.5	83	7	12	6.5	13.0	56	12	6	4.0	6.0						43	3	4	5.0	7.0	23	0	0	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month December 1958

Hour (LST)	Frequency (Mc) .051					.113					.246					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	119	7	4	8.0	15.0	102	9	6	*5.0	*6.0	91	4	11	8.0	13.5	80	10	6	6.5	11.0	52	7	6	3.5	6.0						42	2	6	*5.0	*9.0	23	0	2	2.0	3.0
01	121	6	6	9.0	15.0	105	8	9	*3.0	*4.0	91	10	11	8.0	12.0	80	8	9	7.0	12.0	53	5	6	3.0	5.0						40	5	4	*5.0	*9.5	23	0	2	2.0	3.0
02	121	6	6	8.5	14.0	103	10	9	5.5	8.0	89	12	10	8.0	14.0	78	11	10	8.5	13.0	52	6	5	3.5	6.0						40	5	5	*5.0	*8.5	23	0	2	1.5	3.0
03	121	5	5	9.5	16.0	104	9	9	5.0	7.5	85	14	8	8.0	13.0	76	11	10	*6.5	*12.5	52	6	6	3.0	6.0						38	6	6	*3.0	*5.0	23	0	0	1.5	3.0
04	121	8	6	9.0	15.0	104	9	12	4.0	5.0	87	9	13	9.0	14.0	72	12	9	*7.5	*13.0	52	7	5	3.0	6.0						37	6	5	*4.0	*8.0	23	1	0	1.5	3.0
05	119	7	5	9.5	15.0	100	11	11	6.0	9.5	79	13	10	7.0	10.5	66	12	5	4.5	8.0	50	10	4	3.5	5.5						36	7	4	5.5	8.5	23	2	0	1.5	3.0
06	117	5	6	9.0	16.0	90	7	6	7.0	11.0	69	8	2	5.0	7.0	62	4	4	3.0	4.5	48	10	2	2.5	4.0						37	3	5	*3.5	*6.0	27	2	2	2.0	3.5
07	115	5	6	10.5	16.5	84	6	4	*5.0	*6.0	69	3	2	4.5	7.5	60	6	2	2.5	5.0	46	10	3	2.5	4.0						36	2	4	*3.0	*4.5	29	3	4	2.0	3.0
08	109	2	6	9.5	15.0	82	5	5	*4.0	*6.0	69	3	2	5.0	7.0	59	7	1	3.0	5.5	44	13	1	1.5	3.0						32	4	1	*2.5	*4.0	29	2	4	2.5	4.0
09	*103			*9.5	*16.0	*80			*11.5	*16.0	*67			*5.5	*8.0	*58			*3.0	*4.0	*44			*2.0	*3.0						*30			*1.5	*3.0	*29			*2.0	*3.0
10	*103			*11.5	*19.0	*84			*5.0	*8.0	69	4	2	*5.0	*8.0	62	5	5	2.5	5.0	*44			*1.5	*3.5						28	3	4	2.0	3.5	29	2	4	2.0	4.0
11	103	12	6	*10.0	*15.5	84	8	10	*2.0	*3.0	71	2	4	4.5	7.0	62	3	4	2.0	5.0	44	7	0	1.5	3.0						28	2	4	2.0	3.5	29	1	4	1.5	3.5
12	103	12	4	10.0	18.0	82	9	8	*3.0	*5.0	69	4	2	4.0	5.0	62	4	6	2.0	4.5	46	6	4	1.5	3.0						26	5	3	2.0	4.0	29	3	3	*2.0	*3.5
13	105	11	7	12.5	18.5	82	9	7	*4.0	*6.5	69	4	2	4.0	7.0	60	6	2	2.5	4.5	46	10	4	1.5	3.0						28	4	2	*3.0	*5.0	29	6	4	*1.5	*3.0
14	103	12	6	9.5	17.0	80	11	6	*3.0	*4.5	69	4	4	4.0	7.0	60	6	2	2.0	4.0	46	3	6	1.5	2.5						32	4	4	*2.0	*4.5	29	2	6	*2.0	*3.5
15	105	8	8	9.5	15.0	82	13	7	*3.0	*4.0	69	4	2	*5.0	*7.0	62	4	4	*2.5	*4.5	46	4	6	2.0	3.5						34	4	2	*4.0	*6.0	30	3	3	*2.0	*3.0
16	108	5	9	*14.0	*14.5	88	12	7	*2.0	*2.5	71	11	4	5.0	9.0	62	6	4	2.5	4.5	44	6	4	*2.0	*4.0						38	4	2	*3.5	*6.0	31	5	4	1.5	3.5
17	109	7	8	10.5	16.5	96	7	9	*2.5	*4.0	75	7	6	*5.0	*8.0	66	9	4	3.5	6.0	48	6	4	2.0	4.0						40	4	2	*5.0	*8.0	31	2	5	2.0	3.5
18	113	8	4	10.5	17.0	98	7	7	*2.0	*2.0	79	8	8	7.0	10.0	70	6	8	5.0	7.5	50	4	4	3.0	6.0						40	4	2	*5.0	*7.5	29	4	6	2.5	4.5
19	115	8	5	9.5	16.5	100	6	8	*3.0	*3.5	83	6	10	7.0	11.5	72	10	6	6.0	10.0	51	4	5	3.0	5.0						42	4	4	*3.0	*6.5	25	2	2	2.5	4.5
20	115	10	5	8.5	14.5	100	7	8	*4.0	*5.5	83	9	7	6.0	9.0	75	9	8	7.0	10.5	52	6	6	3.0	4.5						42	2	4	4.5	8.5	23	2	1	1.0	3.0
21	117	8	6	9.0	15.5	101	6	7	2.5	4.0	85	10	9	7.0	11.0	76	8	9	6.0	10.0	52	7	6	3.5	5.5						40	5	2	*4.0	*7.0	23	2	2	1.5	3.0
22	119	7	6	9.0	15.5	100	10	6	4.0	5.5	87	11	10	7.0	11.0	78	9	7	5.5	10.5	54	4	6	4.0	6.5						40	4	4	*4.5	*8.0	23	0	2	1.5	2.5
23	119	8	6	9.0	18.0	103	7	7	3.5	5.0	88	11	11	8.0	12.0	79	12	9	6.5	10.5	52	6	6	3.0	5.5						40	5	3	*5.0	*8.0	23	0	2	2.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month January 19 59

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					495 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	117	5	5	8.0	15.0	101	9	7	4.0	7.5	80	17	4	6.5	10.5	70	10	6	4.5	9.5	48	4	3	2.0	4.0						40	4	5	5.0	8.5	22	2	0	1.0	2.5
01	117	9	4	8.5	15.5	100	11	10	3.5	4.5	81	13	6	5.5	10.0	70	13	8	5.0	9.5	48	7	4	2.5	4.0						39	4	5	5.0	8.0	22	2	0	1.5	2.5
02	119	9	6	7.5	13.5	99	11	8	2.0	4.5	79	16	4	5.5	10.0	68	15	6	4.5	9.5	46	8	2	2.0	4.0						38	5	6	5.5	9.0	24	0	2	1.5	2.5
03	117	8	3	8.0	14.0	99	11	8	3.0	5.0	79	10	6	5.0	10.0	66	11	6	4.5	10.5	46	8	2	2.0	4.0						38	5	10	3.0	9.0	24	0	2	1.5	3.0
04	117	6	4	8.0	13.5	99	11	10	1.5	2.5	77	8	7	4.0	7.0	64	10	6	5.0	7.5	48	5	3	2.5	5.0						36	6	8	2.5	3.5	24	0	2	1.5	3.0
05	117	7	4	8.5	15.0	95	12	8	4.0	8.0	76	12	6	5.0	9.0	61	8	5	3.5	6.0	47	5	2	2.0	4.0						36	6	4	2.5	4.5	24	1	0	1.0	3.0
06	117	5	4	8.5	14.5	89	8	8	6.0	9.0	72	7	3	6.0	9.0	60	4	4	2.5	5.0	46	5	2	2.5	4.0						34	5	3	2.5	4.0	26	2	2	2.0	3.0
07	117	2	7	9.0	15.5	85	4	6	3.0	4.0	70	4	2	5.5	9.0	58	5	2	2.5	4.5	46	3	2	1.5	3.0						34	7	3	2.0	5.0	28	2	2	2.5	4.0
08	110	5	7	9.5	15.0	79	8	6	2.5	4.0	70	2	2	6.0	9.0	58	4	2	3.0	5.0	44	2	2	1.5	3.5						32	2	4	2.0	4.0	28	4	2	2.0	4.0
09	101	8	4	6.0	11.5	79	12	6	2.0	4.0	*70			5.0	7.5	58	6	4	3.0	5.5	44	2	5	2.0	4.0						*27			2.0	4.0	*28			2.5	4.0
10	99	12	4	9.0	14.0	78	18	5	1.5	3.0	70	3	4	5.5	9.0	60	4	5	2.0	4.0	44	2	2	1.0	3.0						24	4	3	1.5	3.0	28	2	2	2.0	4.0
11	101	12	4	9.0	16.5	77	18	6	2.0	3.0	70	2	4	5.5	8.5	58	6	2	2.5	4.5	44	2	6	2.0	3.0						24	3	2	2.0	4.0	28	2	2	2.0	3.5
12	99	18	6	10.0	15.5	77	18	6	3.0	4.5	70	4	3	6.5	9.5	60	5	5	2.0	4.0	44	4	2	1.5	3.0						24	4	2	3.0	5.0	28	3	2	2.0	4.0
13	99	16	2	8.5	15.0	76	17	6	3.0	4.5	70	7	2	5.0	8.0	58	6	2	2.0	4.0	44	2	4	1.5	3.0						26	2	2	1.5	3.5	28	3	2	2.0	4.0
14	101	8	8	9.0	15.0	79	11	6	2.5	3.5	70	5	4	4.0	7.0	60	3	4	2.0	4.5	44	4	4	1.5	3.0						29	1	5	3.0	5.0	29	3	2	2.5	3.5
15	99	15	6	6.0	10.5	79	12	5	2.0	2.0	70	2	4	4.0	7.0	59	6	3	2.0	4.0	44	2	4	1.5	3.0						30	4	1	4.0	7.5	30	2	2	1.5	3.5
16	100	9	8	7.0	12.5	85	10	6	1.0	1.5	70	12	3	4.5	8.0	58	9	2	2.0	5.0	44	2	3	1.0	3.0						36	3	2	3.0	5.5	30	5	2	2.0	4.5
17	104	10	7	9.0	16.0	95	7	12	1.5	2.5	72	14	2	4.5	7.0	60	6	2	3.0	5.0	44	2	2	1.5	3.0						38	2	3	3.5	7.0	29	5	2	2.0	4.0
18	109	13	4	9.0	15.0	97	8	10	1.5	2.0	72	15	2	4.5	7.5	64	8	6	3.5	6.0	46	2	2	2.0	3.5						38	5	2	3.0	7.0	28	7	4	2.0	4.5
19	113	9	5	8.5	14.5	97	8	8	2.0	2.5	74	12	2	4.0	6.5	68	4	8	4.0	8.0	46	4	2	1.5	2.5						40	2	2	3.5	7.0	24	5	2	2.0	4.0
20	113	10	4	8.5	15.0	99	6	9	4.0	6.5	76	11	4	5.0	9.0	68	10	7	4.5	10.5	46	5	3	1.5	2.5						40	2	3	4.0	7.5	24	2	3	1.5	3.0
21	114	8	5	8.0	15.0	100	5	11	4.0	5.0	79	16	1	4.0	10.5	71	11	7	5.5	10.5	48	3	4	2.0	3.5						42	2	5	3.5	7.5	22	2	0	1.5	3.0
22	115	9	4	9.0	17.0	101	7	10	4.0	5.0	80	12	5	4.0	8.5	70	10	6	6.5	11.0	48	3	4	2.0	4.0						40	4	6	3.0	8.0	22	2	0	1.5	3.0
23	117	6	6	8.5	16.0	101	8	9	3.5	6.0	82	12	6	5.0	9.5	70	7	6	5.5	9.5	48	7	5	2.0	4.0						40	5	6	3.0	6.0	22	2	0	1.5	2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month February 1959

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					495 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	114	10	6	10.0	17.5	100	10	6	*9.0	*12.0	88	10	12	*11.5	*16.0	75	11	8	*11.0	*14.5	54	9	6	*3.5	*5.0						42	4	4	*6.0	*10.0	23	0	2	*1.5	*2.5
01	116	10	6	10.5	15.0	100	10	2	*8.5	*10.0	84	12	6	*10.5	*15.5	73	14	8	*9.0	*12.5	52	12	6	*4.0	*5.5						42	2	4	*5.0	*9.0	23	2	0	2.0	3.0
02	118	8	8	9.0	14.0	100	12	6	*9.0	*12.0	82	14	8	*11.0	*15.0	71	13	8	*7.5	*14.0	50	15	4	*3.0	*4.0						44	2	6	*4.0	*8.5	23	2	0	*1.5	*3.0
03	118	9	6	10.0	14.5	100	11	4	*5.0	*8.0	80	18	8	*7.5	*15.0	69	18	8	*8.5	*13.5	52	11	6	*4.0	*7.0						42	4	7	*4.5	*7.0	23	2	0	*2.0	*3.0
04	118	9	6	*9.0	*16.5	98	14	6	*8.0	*12.0	78	19	6	*6.0	*11.0	67	17	10	*9.0	*14.0	50	13	6	*2.5	*3.5						42	4	12	*3.5	*6.0	23	2	0	*2.0	*3.0
05	116	11	8	11.0	18.0	94	14	7	*12.0	*18.5	76	14	8	*4.0	*7.0	63	8	6	*7.0	*8.5	50	13	4	*3.0	*5.5						40	8	7	*5.0	*7.0	25	1	2	2.0	3.0
06	114	5	4	10.5	18.0	88	10	8	*5.0	*10.0	72	8	4	*8.0	*11.0	61	4	6	*4.0	*5.5	48	12	7	*2.0	*3.0						38	10	2	*3.5	*7.0	25	6	0	*3.0	*4.5
07	110	8	4	10.5	16.5	86	8	10	*6.0	*9.0	70	6	4	*6.0	*9.0	59	6	4	*3.0	*4.0	46	7	7	*3.0	*4.5						38	10	4	4.5	6.0	29	2	4	3.0	4.0
08	106	7	6	*10.0	*16.5	86	13	7	*8.5	*15.0	70	8	4	*6.5	*9.0	59	4	4	*2.0	*4.0	46	3	6	*2.0	*4.0						34	4	5	*4.0	*5.0	28	3	4	*4.0	*5.0
09	*102			*12.5	*19.0	*88			*10.0	*11.5	*70			*8.0	*10.0	*58			*2.5	*4.5	*44			*3.0	*4.0						*30			*3.0	*5.0	*29			*4.0	*5.0
10	*98			*13.0	*15.0	90	12	8	*7.0	*9.5	70	14	4	*6.5	*7.0	61	5	6	*2.0	*4.0	*46			*2.5	*3.5						28	9	4	*2.5	*4.0	27	6	2	*4.0	*6.0
11	98	10	9	*10.5	*13.5	92	12	8	*5.5	*8.0	70	11	2	*6.0	*9.0	59	6	4	*2.0	*4.5	46	8	6	*1.5	*2.5						26	6	2	*3.0	*4.5	29	5	4	*3.5	*5.0
12	108	10	14	*9.5	*18.0	88	14	8	*8.5	*11.0	72	12	6	*9.5	*12.0	59	12	4	*2.0	*4.0	46	5	8	*2.0	*4.0						26	8	2	*2.5	*3.0	29	8	4	*4.0	*6.0
13	106	11	18	*13.0	*22.0	90	10	7	*9.0	*11.0	70	11	4	*8.5	*9.5	59	6	3	*3.0	*5.0	45	8	7	*2.5	*4.5						26	5	4	*4.0	*5.5	29	6	4	*4.0	*6.0
14	106	13	13	*12.5	*21.0	89	13	8	*9.0	*9.0	70	20	2	*7.5	*11.0	61	17	4	*2.5	*5.0	46	6	4	*2.0	*4.0						30	6	4	*4.5	*6.0	31	4	4	*2.0	*4.0
15	106	14	14	*13.0	*15.5	88	13	8	*10.0	*13.0	70	12	2	*10.0	*16.0	63	18	8	*2.0	*4.5	46	5	2	*2.5	*4.0						32	5	2	5.5	6.5	31	4	4	2.5	4.0
16	104	12	14	*12.0	*19.0	90	9	4	5.5	6.5	71	10	3	*8.5	*13.0	61	13	4	*3.0	*5.0	44	6	2	*2.0	*4.5						38	2	4	*4.0	*6.0	31	4	4	*2.0	*4.0
17	109	11	13	*15.0	*22.5	96	10	4	*4.5	*4.0	77	10	5	*10.0	*16.5	65	10	6	*6.5	*11.5	46	7	3	*1.5	*3.5						42	5	6	*5.0	*8.0	33	4	4	3.5	5.5
18	114	10	10	*10.0	*16.0	100	10	6	*3.5	*4.5	83	9	11	*10.5	*17.0	70	11	7	*5.5	*9.5	51	10	5	*2.0	*4.5						41	5	3	*5.5	*7.5	31	8	6	*4.5	*7.5
19	116	8	12	*11.0	*14.5	100	8	4	*5.0	*6.5	84	8	10	*8.0	*12.0	71	12	8	*8.0	*15.5	51	10	5	*3.5	*4.5						42	2	4	*5.5	*8.0	28	10	5	*5.0	*6.5
20	115	9	11	*8.5	*15.5	103	7	9	*7.0	*10.0	87	6	15	*9.0	*19.5	72	14	6	*7.0	*14.5	52	10	6	5.0	*8.0						44	2	2	*5.5	*9.0	23	4	2	*3.0	*5.0
21	116	9	10	8.5	13.0	102	10	6	*6.5	*10.5	86	14	10	*6.5	*10.0	73	15	6	4.5	9.5	54	9	6	*4.0	*6.0						44	2	2	*4.5	*8.0	23	2	2	*2.0	*3.0
22	117	9	9	9.0	13.5	101	13	5	6.0	9.5	84	14	10	*8.5	*13.0	73	16	8	*7.5	*11.0	52	14	4	4.0	6.0						44	4	4			23	0	2	*2.0	*2.5
23	114	14	6	9.0	14.0	100	10	4	7.0	9.5	86	14	8	9.0	14.0	75	14	8	*6.5	*14.0	52	13	6	5.0	6.5						42	4	4	*4.5	*9.5	23	0	2	1.5	2.5

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

RADIO NOISE DATA

Station MARIE BYRD BASE ANTARCTICA Lat. 80.0 S Long. 120.0 W Type Recorder ARN-2 Month MARCH 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{om}	106	100	106	112	112	114	111	110	106	101	*114	116	100	110	114	115	115	118	112	110	114	100	112	100
D_u	11	0	11	6	5	6	0	9	11	0		3		10	6	4	5	4	6	10	6	11	9	9
D_ℓ	7	0	6	14	14	14	12	12	0	9		17		10	11	12	13	13	12	10	16	10	13	10
V_{dm}																								
L_{dm}																								
	113 kc (no data)																							
F_{om}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	67	65	86	75	77	69	65	67	69	67	*68	68	67	65	67	80	89	69	66		67	67	67	67
D_u	6	9	9	18	18	10	9	9	4	6		6	9	0	6	15	0	12	0		21	11	12	0
D_ℓ	5	3	5	11	14	6	4	5	6	4		4	4	1	4	15	16	5	2		4	4	4	4
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{om}	48	47	49	53	59	49	49	48	47	49	*50	49	49	49	49	61	61	50	49	48	49	49	49	48
D_u	7	5	3	13	0	7	4	5	7	6		5	5	7	6	1	5	17	0	0	7	7	10	12
D_ℓ	3	2	3	6	2	2	3	3	3	2		2	3	2	20	21	14	3	2	3	2	2	4	3
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	21	25	20	23	23	21	21	21	22	21	23	23	22	22	24	24	23	24	21	22	21	23	21	23
D_u	10	5	0	0	6	7	0	7	6	6	3	4	0	6	6	6	6	9	11	6	11	12	10	9
D_ℓ	5	7	4	6	6	4	5	5	6	5	7	7	5	6	6	6	4	7	5	6	5	5	5	6
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	26	24	22	20	18	18	18	17	18	17	18	18	18	19	19	20	20	20	23	21	24	29	26	26
D_u	11	11	10	10	5	5	2	3	3	2	2	3	3	3	3	2	4	9	10	13	13	9	16	10
D_ℓ	7	5	4	3	0	2	2	2	2	2	4	2	2	3	3	3	2	3	5	5	7	11	6	6
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	14	14	14	12	0	7	6	8	6	*6	*6	0	9	0	8	0	8	11	14	12	16	18	18	16
D_u	6	6	5	3	7	7	0	4	4			4	7	7	7	7	11	11	7	10	5	5	5	6
D_ℓ	7	12	6	8	7	7	6	5	4			6	5	6	5	6	4	9	0	5	0	4	0	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	19	19	19	18	18	18	17	17	17	17	17	18	18	18	18	18	18	18	19	19	19	19	19	19
D_u	3	1	1	2	3	2	3	3	3	4	4	3	3	3	4	4	3	3	3	2	0	2	2	2
D_ℓ	1	1	3	2	3	3	1	2	1	2	2	3	3	3	1	2	2	2	3	3	2	2	2	2
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station MARIE BYRD BASE ANTARCTICA Lat. 80.0S Long. 120.0W Type Recorder ARN-2 Month APRIL 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	122	120	120	120	119	*120	120	*120	120	120	123	120	119	*121	119	*119	121	118	122	120	117	120	121	121
D_u	3	5	5		6		5						6		6		6				8	5	4	4
D_ℓ	18	20	17		20		18						6		19		19				16	26	29	20
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	*90	*91	*90	*90	*91	*90	*90	*90	*90	*90	*90	88	90	*92	*92	*92	*92	*92	92	*92	92	90	92	89
D_u												8	2						6		8	8	4	7
D_ℓ												4	6						8		8	10	8	5
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	71	*70	69	76	75	74	73	74	73	*73	*72	73	74	*72	*70	*73	83	72	72	72	73	74	72	72
D_u	15		9	14	20	8	9	6	5			5	2				5	6	4	9	8	6	8	4
D_ℓ	7		1	8	7	6	5	6	5			5	6				11	4	6	4	5	6	5	4
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	52	*52	52	*58	*57	*52	52	*55	*54	*54	*52	52	52	54	52	*54	54	52	54	53	55	*53	52	53
D_u	4		4				6					6	6	6	6		8				3		7	5
D_ℓ	4		4				4					4	4	6	4		6				7		4	5
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	27	27	27	25	27	26	27	25	24	22	*23	22	25	27	25	26	29	25	28	27	26	28	27	28
D_u	12	10	17	11	16	10	15	12	9	12		17			11	10	12	10	18	13	10	12	9	9
D_ℓ	6	6	5	4	6	5	5	5	3	3		3			3	3	6	4	7	6	5	7	6	7
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	38	34	32	28	28	22	24	22	21	20	*18	26	25	26	22	27	27	30	30	29	34	32	34	34
D_u	5	9	4	12	9	14	9	16	10	14		7	11	6	10	9	12	11	14	15	13	14	8	10
D_ℓ	13	9	10	7	10	4	6	4	3	2		7	6	8	4	7	5	11	10	9	14	10	10	8
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	18	17	16	16	16	14	18	16	14	14	*12	16	17	17	17	17	20	22	21	22	22	20	20	20
D_u	8	9	9	8	8	10	5	8	6	3		5	6	6	6	5	6	4	7	5	4	6	10	5
D_ℓ	5	5	7	6	10	8	8	11	9	9		5	4	9	6	7	7	10	7	5	7	4	4	8
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	20	21	21	21	20	20	20
D_u	2	2	1	2	2	2	2	1	3	4	2	3	3	3	4	3	2	3	2	2	3	3	2	2
D_ℓ	0	0	1	1	1	2	1	1	1	2	2	1	2	3	0	0	1	0	1	1	2	0	0	0
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station MARIE BYRD BASE ANTARCTICA Lat. 80 S Long. 120 W Type Recorder ARN-2 Month MAY 1958

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	LST																							
	51 kc																							
F_{am}	125	124	125	124	135	125	125	125	125	125	125	125	125	125	*125	*125	*125	125	125	124	125	125	125	124
D_u	3	3	3	4	3	2	2	3	4	2	4	4	3	2				4	4	5	3	2	2	3
D_ℓ	4	3	3	3	3	4	3	2	4	4	4	4	4	8				4	5	3	3	4	3	3
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	93	95	93	95	95	93	93	93	93	93	93	94	93	95	*93	*91	*95	95	93	93	93	93	93	95
D_u	2	2	2	6	2	4	4	4	3	4	3	4	3	2				4	2	4	2	2	4	2
D_ℓ	2	4	2	3	2	2	2	2	2	2	2	1	2	4				3	2	2	2	2	2	2
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	74	73	71	82	81	75	74	75	75	76	76	76	77	73	*74	*77	*78	76	76	76	76	76	77	75
D_u	6	6	3	3	6	4	4	8	4	5	3	5	4	10				9	4	7	3	7	4	3
D_ℓ	4	5	3	14	7	6	4	5	5	7	5	4	6	2				6	6	5	5	6	6	5
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	55	55	55	57	56	56	57	57	55	57	57	57	58	58	*59	*60	*57	57	59	59	58	59	58	56
D_u	5	5	3	9	4	9	5	6	4	9	10	11	6	10				7	3	7	3	6	6	9
D_ℓ	2	3	3	5	3	4	5	4	2	4	2	4	3	1				2	4	4	4	5	4	5
V_{dm}																								
L_{dm}																								
	2.5 Mc *																							
F_{am}	23	26	26	24	25	23	25	25	24	32	25	23	25	23	23	25	25	25	25	25	23	23	23	23
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	*33	33	30	26	*30	30	*26	26	*23	22	24	*28	*28	*30	*30	*30	*30	32	*31	28	30	32	*31	35
D_u		7	8	14		8		10		8	6							6		12	8	5		7
D_ℓ		1	8	10		12		8		6	2							12		10	10	12		11
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	*20	*20	20	20	16	16	*18	16	*14	16	*18	20	*20	*16	*17	*18	*21	20	23	22	19	22	*20	*20
D_u			6	5	9	10		9		7		4						8	6	3	9	7		
D_ℓ			9	7	9	10		7		5		5						9	8	7	6	7		
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	21	21	21	21	21	22	22	21	22	21	22	22	22	22	*22	*21	*22	22	22	21	21	21	22	22
D_u	3	3	2	3	3	2	1	2	1	3	2	2	4	2				2	3	2	3	3	2	2
D_ℓ	2	4	3	3	3	3	2	4	4	3	3	3	3	3				2	2	4	3	4	4	4
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station MAFIE BYRD BASE ANTARCTICA Lat 80 S Long 120 W Type Recorder ARN-2 Month JUNE 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	125	126	125	126	126
D_u	2	2	2	3	3	3	3	4	2	4	3	6	3	4	5	4	7	2	2	3	2	2	2	3
D_ℓ	8	9	5	8	4	9	10	7	3	8	6	4	2	7	7	2	7	7	10	9	10	7	1	7
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	93	93	93	93	97	93	93	93	93	93	93	93	93	93	93	93	95	93	93	95	95	93	93	93
D_u	16	19	15	17	16	16	15	16	18	17	18	21	21	20	22	17	18	17	16	8	10	10	11	17
D_ℓ	2	5	4	2	4	4	4	2	2	2	4	2	2	2	2	2	2	4	7	5	6	5	5	3
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	76	74	73	81	85	74	75	75	76	75	75	75	76	73	71	81	79	73	75	75	75	75	75	75
D_u	13	15	17	18	8	13	17	15	13	15	14	16	18	17	20	10	14	16	9	11	12	10	16	16
D_ℓ	6	5	3	10	10	4	4	5	7	6	4	4	5	4	2	10	8	2	4	3	5	4	4	6
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	55	55	56	59	57	54	55	57	55	57	57	57	57	57	57	61	59	57	57	57	57	57	57	57
D_u	12	14	13	11	11	7	10	10	11	11	10	12	10	9	10	10	12	5	6	3	7	7	8	8
D_ℓ	2	2	3	6	4	1	2	4	2	4	2	2	3	2	2	4	3	2	2	2	2	3	2	4
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	27	26	26	26	26	26	26	26	28	30	26	25	30	24	26	26	28	26	24	26	26	24	26	26
D_u	12	14	16	14	12	10	13	14	13	8	14	14	11	14	16	14	18	16	12	7	8	14	12	12
D_ℓ	3	2	2	2	2	2	2	2	4	6	2	1	6	0	2	2	4	2	0	2	2	0	2	2
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	30	32	29	24	26	26	26	26	26	26	30	29	28	30	30	32	30	32	34	31	28	28	30	31
D_u	12	7	11	12	12	14	8	9	8	10	6	4	6	4	4	8	8	8	8	12	9	12	10	10
D_ℓ	11	10	11	6	8	8	8	8	8	6	10	5	3	7	8	8	9	9	15	13	8	8	11	7
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	17	17	18	17	16	16	16	15	15	15	17	17	17	17	17	19	17	17	18	19	19	21	20	19
D_u	6	5	5	6	5	3	3	4	4	4	2	3	5	5	4	3	2	5	5	4	4	5	5	4
D_ℓ	5	3	5	5	9	9	9	9	7	4	4	3	2	4	4	6	6	5	6	4	6	8	7	6
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	22	24	23	22	22	23	22	22	22	24	24	24	24	24	24	22	22	22	22	22	22	22	23	22
D_u	2	0	1	2	2	1	2	2	2	0	0	0	0	0	0	2	2	2	2	2	2	2	1	2
D_ℓ	0	2	1	0	0	1	0	0	0	2	2	2	2	2	2	0	1	0	0	0	1	0	1	0
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station MARIE BYRD BASE ANTARCTICA Lat. 80 S Long. 120 W Type Recorder ARN-2 Month JULY 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	124	124	124	124	124	124	122	122	124	125	126	124	124	124	124	124	124	124	124	124	123	124	124	124
D_u	4	4	4	4	4	4	6	6	4	3	1	3	3	2	2			3	4	2	5	2	4	6
D_ℓ	8	5	8	8	5	6	5	4	6	7	10	5	6	6	5			3	2	6	5	5	6	4
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	92	92	92	92	92	91	92	92	92	92	92	92	92	92	92	92	93	92	92	96	96	94	92	92
D_u	3	2	1	9	10	2	2	1	2	3		3	3	3				5	4	2	1	3	4	3
D_ℓ	7	7	5	3	3	2	3	3	2	2		2	7	6				7	5	7	7	9	3	5
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	70	70	68	72	78	70	71	68	69	70	70	68	70	68	69	79	72	72	74	71	74	70	72	70
D_u			9		4			10				12						5	4	7	4	8	7	7
D_ℓ			2		6			0				0						4	6	3	6	2	4	2
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	54	56	54	58	58	55	55	55	55	56	58	56	57	56	56	60	58	56	56	56	56	56	56	57
D_u	10	6	11	8	4	7	7	9		8	2	6					6	10	8	8	8	8	8	7
D_ℓ	2	4	2	6	4	3	1	3		4	4	2					2	2	2	2	2	2	2	3
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	24	24	24	26	24	24	24	24	24	24	24	24	24	24	24	24	26	24	24	24	24	24	24	24
D_u					6	2					0	2	2	4	2	4	4	4	4	4	6	2	4	
D_ℓ					0	2					2	2	2	2	2	0	2	0	0	0	2	0	0	
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	26	24	22	22	22	20	18	20	20	22	22	23	26	28	30	31	30	32	34	28	28	34	32	32
D_u	16	18	19	14	15	13	14	8	7	7	7	9	6	5	4		8	5	6	13	14	6	9	8
D_ℓ	8	6	4	4	4	2	0	2	2	4	4	4	6	4	10		11	14	14	9	11	15	14	13
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	17	17	14	12	12	12	10	7	12	11	12	16	16	16	15	15	15	17	17	19	19	20	20	20
D_u	6	5	6	11	7	6	10	6	5	5	5	2	4	4			3	3	5	4	4	5	5	4
D_ℓ	10	8	8	7	7	9	8	15	8	8	9	7	5	5			11	7	11	8	9	7	7	12
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	19	20	20	20	19	19	19	19	19	19	19	20	20	20	20	21	20	20	20	10	20	20	20	20
D_u	2	1	2	1	2	2	1	1	2	2	1	1	1	1	1			1	1	1	1	1	1	1
D_ℓ	2	3	3	3	3	2	2	2	2	1	2	2	1	1	1			2	3	3	3	2	3	2
V_{dm}																								
L_{dm}																								

GPO 845918 RN-1

RADIO NOISE DATA

Station MARIE BYRD BASE ANTARCTICA Lot. 30 S Long. 120 W Type Recorder ARN-2 Month AUGUST 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	112	112	112	112	112	112	112	111	111	112	111	111	110	111	112	112	112	114	112	114	112	112	112	112
D_u	13	13	13	11	13	13	12	11	15	14	14	16	15	12	11	10	14	10	13	21	14	13	14	13
D_ℓ	4	3	6	6	6	6	7	4	7	4	7	5	4	5	6	6	4	6	5	6				
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{om}	88	86	86	86	93	87	86	87	86	86	87	85	87	86	85	93	89	87	86	87	87	86	87	87
D_u	8	15	10	10	4	9	9	10	9	8	9	9	7	9	9	1	11	8	9	9	9	10	11	9
D_ℓ																	5	6	3	4	4	3	4	6
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	72	70	70	74	76	70	70	70	70	70	70	70	71	87	70	84	72	72	71	70	70	71	71	81
D_u	10	13	17	11	10	18	10	10	9	12	8	8	9	10	10	3	16	6	7	7	8	7	8	11
D_ℓ	6	5	6	7	10	3	4	5	4	3	4	3	5	3	6	12	5	6	5	4	4	5	6	5
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	59	59	58	70	61	55	55	62	58	55	55	56	57	58	58	70	64	68	60	62	61	58	59	61
D_u	22	19	17	14	15	14	15	8	13	13	10	12	9	10	11	10	10	8	8	6	6	10	17	16
D_ℓ	6	6	5	15	10	3	2	7	5	2	3	3	4	3	3	13	9	5	5	7	6	3	6	8
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{om}	25	39	29	25	37	25	35	*24	25	25	25	*25	25	25	27	*28	27	27	27	25	25	25	26	36
D_u	14	17	19	13	10	22	19		16	17	18		4	10	14		7	8	7	29	12	6	13	13
D_ℓ	4	5	7	3	4	6	5		6	5	6		6	4	3		3	3	5	3	3	4	3	4
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	34	32	26	24	22	22	20	20	20	20	22	22	26	28	24	28	32	32	32	16	28	22	30	18
D_u	8	14	20	16	16	16	14	12	10	8	8	9	10	8	8	9	6	8	10	14	13	10	13	14
D_ℓ	17	12	12	10	8	8	6	6	8	6	8	6	12	16	10	12	16	17	17	9	13	18	14	12
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{om}	18	18	17	18	14	13	13	15	14	15	14	15	15	15	16	19	19	22	21	20	20	22	22	20
D_u	9	11	10	9	13	12	10	4	7	7	7	8	8	6	5	3	6	5	8	7	9	9	6	8
D_ℓ	10	10	8	7	4	7	6	6	6	8	4	6	9	9	6	11	11	12	8	9	9	10	9	11
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	19	20	20	29	19	19	19	19	19	19	20	19	19	19	19	21	21	21	20	20	20	20	21	19
D_u	3	3	3	4	4	4	2	2	4	2	1	2	3	2	4	2	2	1	1	2	1	3	2	2
D_ℓ	2	3	1	2	2	2	2	2	2	3	3	3	4	4	2	4	4	3	2	4	3	2	2	1
V_{dm}																								
L_{dm}																								

MONTH-HOUR VALUES OF RADIO NOISE

Station MARIE BYRD BASE ANTARCTICA Lat. 80 S Long. 120 W Month SEPT 19 58

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	124	2	10			91	4	3			74	8	4			60	9	6			26	14	7			34	9	14			20	7	4			14	8	2		
01	124	2	10			91	2	4			72	6	4			58	8	4			28	12	9			31	8	10			18	7	5			14	5	2		
02	124	2	10			91	2	4			72	9	4			56	10	4			26	6	7			28	6	9			18	24	8			13	6	2		
03	124	2	10			93	4	5			76	10	8			64	10	10			26	8	7			25	11	11			16	6	10			14	4	3		
04	124	2	10			94	7	0			74	12	4			58	15	5			26	10	7			27	13	13			16	4	11			14	5	3		
05	124	2	9			92	5	7			72	8	2			54	16	2			26	4	7			24	13	10			13	6	7			13	0	1		
06	124	2	9			91	4	6			72	6	2			55	15	3			26	6	8			17	11	3			12	4	6			13	6	2		
07	124	2	11			90	5	6			72	7	2			56	16	4			26	14	8			16	14	2			8	8	4			13	7	2		
08	124	2	11			91	4	2			73	9	3			56	11	4			26	9	8			15	12	1			10	7	6			13	5	3		
09	125	3	11			91	2	3			72	7	3			58	12	4			26	6	7			15	8	2			8	10	4			13	6	3		
10	124	2	7			91	2	4			72	9	4			59	11	7			26	4	8			16	5	2			10	6	5			13	6	1		
11	124	2	7			91	3	3			72	6	2			59	7	5			26	3	9			17	7	3			11	5	6			13	7	2		
12	124	3	11			91	4	6			72	4	2			58	10	4			26	2	7			19	5	5			14	6	8			13	0	3		
13	124	2	10			91	4	5			70	6	2			60	5	4			26	2	7			21	8	5			14	5	8			14	5	3		
14	124	2	11			92	3	7			72	6	0			60	10	7			26	2	7			23	9	9			14	8	6			14	5	5		
15	124	2	9			92	3	7			74	11	7			69	5	9			26	7	7			22	12	7			16	7	4			15	5	3		
16	124	2	10			99	4	8			84	4	0			69	5	8			28	4	5			30	8	12			18	10	6			15	7	3		
17	124	2	9			92	3	7			72	6	4			58	14	2			26	12	7			34	10	19			19	8	6			15	7	2		
18	124	0	10			93	0	6			74	4	2			63	7	5			28	10	9			32	12	12			20	11	9			15	7	3		
19	124	2	8			93	2	6			74	2	2			62	5	6			28	11	9			34	11	14			22	5	6			15	6	2		
20	124	2	8			93	3	6			74	2	4			59	5	0			26	12	7			37	8	16			22	6	7			15	6	3		
21	124	2	10			91	4	4			74	2	2			58	8	4			28	12	9			34	12	15			20	6	9			15	4	3		
22	124	2	8			91	2	5			74	4	4			62	5	5			28	11	9			32	10	16			20	4	9			14	5	2		
23	124	2	8			91	2	3			74	3	4			59	7	3			28	14	7			34	7	13			20	6	6			14	7	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Base, Antarctica Lat. 80.0 S Long. 120.0 W Month October 19 58

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	125	4	1			94	3	2			72	4	2			59	5				20	11	2				12	16			29	10	10			20	2	2		
01	125	4	2			94	3	3			72	2	2			59	7				20	7	3				13	11			29	8	10			20	2	2		
02	125	4	3			94		3			72	6	2			59	12				20	6	3				15	12			28	6	8			20	2	0		
03	125	4	3			94	3	3			72	10	2			62	8				20	6	3				10	12			28	6	11			20	2	2		
04	125	4	3			98	5	6			74	4	4			62	9				22	2	4				11	12			26	7	13			20	2	2		
05	125	4	3			96	4	6			72	10	4			57	13				20	5	3				12	11			28	5	12			20	2	0		
06	125	4	7			95	2	5			72	2	2			57	9				19	9	2			18	8	4			26	6	11			20	0	2		
07	125	2	5			95	3	4			74	6	5			48	11				19	9	2			16	7	2			22	8	9			20	2	2		
08	125	3	5			95	2	5			72	7	2			58	5				20	14	2			16	4	12			22	7	9			20	2	2		
09	124	3	6			95	1	5			72	4	3			58	10				21	9	4			15	13	0			20	9	9			20	2	2		
10	125		4			93	3	3			72	5	2			59	12				20	6	3			16	13	2			20	9	9			20	2	2		
11	124	4	4			94	2	4			72	6	2			58	8				20	10	2			16	3	2			20	7	9			20	2	0		
12	124	4	4			94	3	3			72	6	4			59	7				20	10	3			17	2	3			23	5	10			20	2	0		
13	125	2	7			94	2	3			72	6	2			60	5				25	10	3			17	8	3			24	8	8			20	2	0		
14	124	2	4			94	4	3			72	8	2			60	11				28	16	3			19	12	5			27	3	10			20	2	0		
15	125	2	3			95	2	3			76	6	4			67	5				32	17	3			22	8	8			25	8	10			22	2	2		
16	125		3			95	8	4			78	10	6			64	7				38	4	6			22	8	6			30	4	9			22	2	0		
17	125		2			96	3	4			72	6	4			61	6				33	15	4			26	6	8			32	5	9			22	2	2		
18	125	3	3			96	3	2			78	8	6			66	5				35	12	5			28	10	8			32	7	8			22	2	2		
19	129	3	1			96	2	3			76	6	4			63	6				33	17	3			31	9	14			33	8	8			22	2	2		
20	125	4	2			95	2	3			74	6	4			62	7				29	13	5			32	9	12			32	6	8			22	2	2		
21	125	3	3			95	2	3			74	4	4			61	4				29	17	3			34	8	17			34	5	11			22	2	3		
22	125	2	0			95	1	3			74	4	4			61	6				22	12	3			35	7	14			32	6	11			22	2	2		
23	125	4	1			94	2	3			72	4	2			59	6				20	10	2			33	9	14			31	7	11			21	1	1		

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Base, Ant. Lat. 80.0S Long. 120.0W Month November 1958

Hour (LST)	Frequency (Mc)																																						
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	124	2	4			93	5	3			73	4	2			58	1	2			20	6	2			24	10	6			27	6	4			22	1	2		
01	124	2	4			93	2	2			73	2	2			58	2	2			20	4	2			22	8	6			27	4	6			22	0	2		
02	124	2	4			93	2	4			73	4	2			58	2	2			20	4	2			20	8	2			27	4	6			20	3	0		
03	124	2	4			93	2	3			73	2	2			58	1	2			20	4	2			18	9	2			24	5	3			20	2	0		
04	124	2	4			93	2	2			73	–	2			58	–	–			20	1	2			18	9	0			23	7	5			20	2	0		
05	124	2	4			93	2	4			73	2	2			58	5	4			20	2	2			16	6	2			23	8	6			20	2	2		
06	124	2	6			93	0	2			73	2	2			58	2	4			19	4	2			16	4	2			19	6	5			20	2	2		
07	124	2	6			93	2	4			73	2	2			58	4	4			20	3	2			16	2	2			19	4	4			20	2	1		
08	124	2	6			93	0	4			73	2	2			58	4	4			20	2	2			16	3	2			19	3	2			20	2	8		
09	124	2	6			93	2	2			73	2	2			58	2	4			18	3	0			16	3	2			17	3	2			20	2	0		
10	124	2	4			93	2	4			71	4	0			56	5	2			19	4				16	0	0			17	3	4			20	2	0		
11	124	2	6			93	2	4			73	2	4			58	2	4			18	2				14	2	0			17	4	3			20	2	0		
12	122	4	4			93	2	2			73	2	2			58	–	4			18	2				14	2	2			17	2	4			20	2	0		
13	122	4	2			93	2	2			73	2	2			60	4	4			18	2				16	0	2			17	8	3			22	2	2		
14	124	2	3			93	2	2			73	2	2			58	5	4			20	1				16	2	2			19	2	6			22	1	2		
15	124	2	5			93	4	2			73	–	–			58	–	–			18	5				16	2	2			19	4	4			22	2	2		
16	124	2	5			93	–	–			73	–	–			58	–	–			20	3				16	2	2			23	3	4			22	2	2		
17	124	2	5			93	3	4			73	2	2			58	5	2			22	8				16	4	2			27	2	6			22	2	2		
18	124	2	6			93	4	2			75	2	2			62	8	4			20	4				18	14	4			27	4	2			22	2	2		
19	124	2	6			93	4	2			75	2	4			62	4	6			22	4				20	6	4			29	4	4			22	4	2		
20	124	2	4			93	4	2			75	4	4			60	4	4			20	6				22	8	4			32	3	3			22	4	0		
21	124	2	4			93	2	2			73	4	2			58	6	2			20	5				26	10	10			31	6	6			22	2	2		
22	124	2	4			93	4	2			73	5	4			60	–	2			20	4				26	12	8			31	4	8			22	4	5		
23	124	2	4			93	4	2			73	4	2			60	6	4			20	11				26	10	8			31	2	6			22	2	3		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Base, Antarctica Lat. 80.0 S Long. 120.0 W Month December 1958

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	129	3	14			92	6	6			76	4	2			60	4	6			22	4	2			17	13	4			20	6	4			18	4	0		
01	134	3	15			92	4	6			74	4	0			58	4	4			22	4	2			17	6	4			20	4	4			18	4	0		
02	119	2	13			94	2	8			74	5	2			60	5	4			22	6	2			17	5	4			20	2	6			18	4	2		
03	119	3	12			94					74					60					22	6	0			15	4	4			18	4	8			18	4	2		
04	119	2	15			94	2	4			76	4				58	4	2			22	2	2			15	2	4			18	4	8			18	4	2		
05	119	3	15			92	4	6			74	2	1			60	2	4			22	2	2			15	2	4			16	6	8			18	4	2		
06	119	3	15			92	4	8			76	4	4			60	4	4			22	4	2								16					18	4	2		
07	119	2	14			92	6	8			76	6	2			60	6	4			22	3	2								14					18	4	2		
08	119	2	15			92	4	6			76	4	3			60	5	5			22	2	2								14	2	4			18	4	2		
09	119	3	15			92	4	6			76	3	2			60	3	4			22	2	2								12	4	4			17	4	2		
10	120	3	18			94	2	9			76	2	2			58	7	2			22	4	2			13	2	2			12	4	4			18	4	2		
11	119	4	16			92	2	6			76	4	2			60	4	4			22	2	2			14	1	1			14	2	2			18	4	2		
12	119	4	14			92	4	6			76	4	2			60	4	4			22	2	2			13	2	2			14	4	4			18	4	2		
13	121	2	20			92	2	8			76	6	2			58	1	3			22	4	2			14	4	1			12	10	7			18	4	4		
14	119	2	19			92	2	8			76	2	4			60	2	2			22	4	2			15	8	2			14	4	4			18	4	3		
15	120	0	19			92					76					60					23	3	3			15	2	2			14	4	5			20	4	2		
16	121	2	18			94					76					60					34	4	2			13	7	0			16	6	6			20	2	2		
17	121	0	18			94	2	8			76	2	2			60	4	4			24	2	2			15	2	2			16	6	4			20	2	0		
18	120	2	18			94	2	10			76	6	2			62	4	4			33	4	2			15	4	2			20	6	4			20	4	2		
19	121	1	17			94	4	8			78	4	2			62	6	6			34	2	2			15	8	2			20	8	6			18	5	0		
20	129	4	14			94	4	8			78	4	4			62	6	4			24	5	4			19	5	6			20	9	6			19	6	1		
21	129	2	15			94	4	8			86	4	2			60	5	4			24	10	2			19	5	4			22	7	6			18	7	2		
22	129	2	15			92	4	6			78	2	4			60	7	5			23	6	3			18	6	4			21	7	6			19	7	2		
23	129	2	15			94	3	5			76	6	2			60	4	4			22	12	0			19	7	6			20	6	4			20	6	4		

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0S Long. 120.0 W Month January 1959

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	116	6	7			93	2	6			76		2			58		4			34	10	4			24	6	6			20	5	7			16	2	1		
01	116	6	8			92	3	5			76		2			58		4			34	9	4			11	9	5			18	6	7			19	2	0		
02	116	6	8			92	3	5			76		2			58		4			23	10	4			12	9	5			20	3	7			15	2	2		
03	116	6	8			92					78					57					23	10	3			20	10	2			20	2	7			15	2	2		
04	118	4	10			89					75					58					32	10	3			20	11	4			18	4	5			15	2	0		
05	118	6	10			91	4	4			71		4			46		2			35	8	6			20	10	4			20	2	7			15	2	0		
06	116	6	8			93	2	6			76		2			58		4			23	10	2			20	10	4			18	4	6			15	2	1		
07	116	6	8			91	4	4			76		2			57		0			24	9	5			20	10	4			16	6	7			15	2	0		
08	116	6	8			93	2	6			76		2			58		4			24	9	5			20	11	4			14	8	5			15	2	0		
09	116	6	8			93	2	6			76		2			58		4			35	8	6			18	12	2			12	9	4			15	2	0		
10	117	7	10			93	2	6			76		3			57		3			23	10	4			18	14	2			10	12	2			15	2	1		
11	116	7	9			93	2	6			76		2			57		3			23	10	4			18	14	2			12	8	4			15	3	0		
12	116	6	8			91	4	4			76		2			58		4			23	11	4			18	13	2			12	10	6			15	2	2		
13	116	6	10			92	4	4			76		3			60		6			23	10	4			18	13	2			12	8	6			16	3	1		
14	118	4	10			93	2	6			76					56					21	12	2			18	12	2			12	9	6			17	9	2		
15	118	5	11			98					78					58					25	10	5			18	18	2			14	8	5			17	3	2		
16	118	5	10			93					76					58		4			23	10	2			18	14	2			16	6	6			17	4	2		
17	118	7	10			93	1	7			76		2			54		4			23	12	2			20	12	4			18	6	4			17	4	2		
18	116	7	8			93	2	4			76		2			60		6			25	12	6			20	12	4			20	4	6			17	4	2		
19	116	7	8			93	2	6			78		4			60		6			25	8	6			22	12	4			21	5	5			17	4	2		
20	118	4	10			93	2	6			78		4			58		4			24	9	5			22	10	4			22	2	6			17	4	2		
21	118	4	10			92	3	5			78		4			58		4			34	10	4			22	10	7			22	4	6			17	2	2		
22	118	4	10			93	2	6			76		2			57		3			23	10	5			24	7	5			22	4	6			17	4	0		
23	117	6	6			92	2	6			76		2			58		4			23	8	5			24	9	7			22	4	5			17	4	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month February 1959

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	111	2	2			88	2	3			76	4	2			58	5	3			22					26	14	8			27	4	8			22	2	2		
01	111	2	0			88	2	4								59	4	4			20					24	13	6			23	6	6			22	2	2		
02	111	2	2			88	2	4			76	4	2			59	2	4			20					22	14	4			21	8	6			22	2	2		
03	111	2	2			88	0	3			74					*59					20					18	14	2			19	8	8			20	2	2		
04	111	2	2			88					74					*56					22					18	11	2			17	6	4			22	0	2		
05	111	2	2			86	4	2			76	2	2			57	4	2			22					18	7	2			19	8	6			22	0	2		
06	111	2	2			88	0	4			74	4	2			57	4	2			20					18	4	2			17	8	6			22	2	4		
07	109	4	0			88	2	4			76	2	2			59	2	4			20					17	4	2			17	6	2			22	2	2		
08	109	4	0			88	0	4								59	3	4			22					17	3	1			17	0	6			22	2	3		
09	109	3	0			86	4	2			74	4	2			59	4	2			20					18	2	2								22	2	2		
10	109					86	2	2			76	4	4			59	4	3			20					16					17	4	4			22				
11	109					86	2	2			76	2	4			59	2	4			20					16					17	4	6			22				
12	109	2	2			86	2	1			74	4	2			58	5	3			20					18	2	2			19	2	8			22	2	0		
13	109	2	0			86	4	4			74	4	2			59	2	4			20					18	4	2			19	4	6			22	2	2		
14	109	2	0			86	2	4			74	4	2			*59					20					18	2	2			19	4	6			22	2	0		
15	111	0	2								74					*57					22					18	4	2			21	4	8			22	2	1		
16	109	2	2			87					76					*61					22					18	6	2			22	6	8			22	2	1		
17	109	2	0			86	4	2			74	4	2			59	3	4			22					18	8	2			23	6	6			22	2	0		
18	111	2	4			88	2	4			76	7	2			61	4	4			22					21	9	0			23	8	4			22	2	2		
19	111	2	4			88	4	4			76	4	4			59	6	4			22					20	14	2								22	2	2		
20	111	4	2			88	2	4			76	4	4			59	4	2			20					24	12	8			22	8	7			22	2	2		
21	111	4	2			88	2	4			76	4	2			59	4	4			20					24	16	8								22	2	2		
22	111	4	2			88	2	2			76	2	4			59	4	4			22					28	10	10			27	6	9			24	0	4		
23	111	4	2			88	2	2			76	4	2			61	4	6			22					30	8	12			27	6	6			22	2	4		

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

RADIO NOISE DATA

Station COOK, AUSTRALIA Lat. 30.6 S Long. 130.4 E Type Recorder ARN-2 Month AUGUST 19 58

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	13 kc																							
F_{am}	156	156	156	156	156	156	154	154	152	150	150	152	150	148	150	150	150	148	150	154	154	156	155	155
D_u	2	2	2	2	2	2	4	4	2	4	4	4	4	7	4	4	4	8	4	2	4	2	3	3
D_ℓ	2	3	3	3	3	4	1	2	3	3	4	6	6	4	7	4	4	8	4	6	4	6	3	3
V_{dm}																								
L_{dm}																								
	51 kc																							
F_{am}	122	120	122	120	120	120	118	116	112	110	112	112	112	112	114	114	110	112	112	119	120	122	122	122
D_u	8	8	6	7	7	6	10	4	11	13	9	10	11	14	12	6	8	16	12	11	11	9	9	8
D_ℓ	4	2	6	4	3	4	4	6	4	6	8	6	7	8	8	6	4	5	4	9	7	6	8	7
V_{dm}																								
L_{dm}																								
	160 kc																							
F_{am}	91	89	91	91	89	87	81	67	63	63	59	59	59	61	61	59	*57	67	79	85	87	88	90	91
D_u	13	13	11	10	13	13	19	14	10	17	25	24	22	20	20	19		39	20	15	15	11	12	17
D_ℓ	8	6	10	10	12	6	8	10	6	6	2	2	2	4	4	2		10	16	14	10	9	8	8
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	69	69	69	65	69	63	51	51	51	51	49	51	51	49	49	51	51	53	59	65	69	72	69	69
D_u	16	13	13	17	12	17	10	6	7	6	7	3	3	4	8	5	10	19	13	15	19	18	14	20
D_ℓ	12	12	13	12	11	8	5	5	6	6	2	4	6	4	2	2	2	5	6	12	12	9	14	14
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	52	50	52	52	50	48	46	30	26	26	24	24	22	22	24	26	24	28	36	44	50	48	50	52
D_u	14	12	12	8	8	8	6	10	8	6	6	8	6	8	4	2	4	12	10	16	12	10	12	8
D_ℓ	6	4	6	8	4	6	4	8	6	3	4	4	2	2	4	6	4	6	6	8	6	4	4	8
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	50	50	52	52	52	50	48	38	26	24	22	24	23	22	24	24	*23	32	44	56	54	58	54	52
D_u	8	6	6	5	4	6	5	5	10	8	6	5	5	6	4	5		12	6	6	8	6	8	8
D_ℓ	2	4	4	4	5	4	2	9	7	6	6	6	7	4	7	6		7	8	8	4	6	4	5
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	41	41	41	41	41	39	39	33	26	21	17	17	17	19	23	23	*29	37	39	41	41	41	41	41
D_u	3	3	2	3	2	6	3	6	12	6	6	4	13	10	5	6		5	6	5	6	4	4	4
D_ℓ	2	2	2	4	4	2	4	2	5	7	4	5	4	6	8	6		10	4	2	2	4	4	2
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	24	24	24	24	24	24	24	24	22	20	20	20	20	20	22	24	*26	26	26	27	26	26	25	26
D_u	2	2	2	0	0	0	2	2	2	4	8	7	5	6	2	4		3	4	6	2	2	2	0
D_ℓ	0	0	0	1	2	2	2	3	2	2	2	2	2	2	2	2		2	2	3	0	2	1	2
V_{dm}																								
L_{dm}																								

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month September 19 58

Hour (LST)	Frequency (Mc)																																							
	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	156	2	2			127	4	7			100	11	10			83	12	12			56	11	8			56	6	12			46	4	6			25	2	2		
01	156	2	2			128	5	7			103	6	13			82	11	10			55	12	9			55	7	7			46	4	5			25	2	2		
02	156	2	2			128	4	7			103	5	11			82	8	10			56	8	8			54	8	6			44	4	5			23	4	0		
03	156	2	2			128	3	8			103	6	12			80	8	8			56	7	8			54	8	6			44	4	5			23	1	2		
04	156	2	2			128	4	6			101	5	8			80	9	7			56	9	7			54	7	5			44	3	4			23	0	2		
05	156	2	2			128	4	6			97	7	7			74	9	7			54	7	8			53	4	5			42	4	2			23	2	2		
06	156	2	4			122	4	5			81	6	11			54	21	7			48	5	6			40	8	6			42	2	4			23	2	2		
07	154	2	6			117	5	6			63	28	6			50	5	3			30	6	7			30	5	6			36	4	6			23	6	3		
08	152	4	4			114	8	6			61	24	4			52	7	6			26	10	5			24	10	4			26	15	6			21	6	2		
09	152	4	4			112	12	8			63	28	6			52	23	5			27	20	7			26	8	6			18	12	2			19	8	2		
10	152	5	4			114	11	8			64	35	7			52	21	5			28	17	6			24	16	6			18	14	4			19	6	2		
11	152	4	6			116	10	12			67	28	10			52	16	4			28	22	6			24	18	6			18	14	4			17	6	0		
12	152	2	6			116	6	10			69	28	12			52	16	2			26	6	6			24	24	10			18	14	4			19	4	4		
13	152	6	6			118	6	10			75	29	18			52	9	4			26	6	6			24	7	8			20	15	6			21	7	4		
14	153	3	5			118	9	9			75	29	18			52	18	4			24	9	5			24	11	9			22	13	6			21	5	2		
15	154	3	6			118	6	12			73	32	16			52	27	4			26	21	4			24	10	10			26	13	8			23	8	2		
16	156	2	8			118	10	7			*74					53	12	4			24	7	4			27	15	11			*36					25	8	4		
17	156	0	6			120	10	10			78	32	15			58	27	8			32	11	12			36	22	8			42	8	7			27	6	4		
18	154	2	6			119	14	9			95	19	20			71	21	10			49	14	15			54	9	14			46	6	7			26	7	3		
19	154	4	4			122	15	7			96	21	14			77	18	9			56	15	11			60	4	10			46	6	5			27	7	2		
20	156	2	4			124	8	7			100	10	11			82	12	7			58	10	11			56	7	7			46	2	6			27	10	3		
21	156	3	5			126	6	7			99	11	10			85	11	10			59	7	10			58	4	9			46	2	7			25	8	0		
22	156	3	5			126	7	7			100	10	9			84	11	10			58	12	10			58	4	9			44	7	5			27	3	3		
23	156	2	4			127	5	6			102	7	8			84	12	9			56	12	9			56	5	9			44	5	5			25	6	0		

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month October 19 58

Hour (LST)	Frequency (Mc)																																							
	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	156	4	2			129	5	5			102	12	8			82	12	10			59	12	10			54	8	6			45	4	4			26	6	2		
01	156	2	2			130	2	6			104	10	10			80	10	10			59	10	10			54	6	6			45	2	2			26	22	2		
02	156	2	2			130	4	6			104	6	8			81	9	9			58	11	7			54	6	4			45	2	4			24	20	2		
03	156	2	2			129	3	5			102	8	6			78	12	8			57	12	8			54	6	4			43	4	2			24	2	2		
04	156	2	2			128	4	4			100	6	4			76	8	10			55	10	8			54	4	8			43	2	2			24	0	2		
05	156	2	2			126	4	6			96	10	12			58	18	8			53	10	10			54	4	6			43	4	2			24	4	2		
06	154	2	2			120	11	4			74	34	11			53	29	5			37	12	8			38	11	6			41	6	4			24	4	2		
07	152	2	3			112	12	3			71	34	13			52	23	2			30	10	5			26	16	4			31	10	4			24	2	2		
08	150	4	6			112	14	8			68	36	10			52	17	4			31	6	4			27	12	3			23	17	4			22	0	2		
09	150	2	4			112	12	8			69	27	11			51	6	5			31	6	8			26	6	6			23	10	6			19	3	1		
10	150	4	2			114	6	10			66	14	8			52	4	6			28	7	7			25	5	7			23	5	8			18	4	2		
11	150	4	5			116	12	10			68	29	10			52	5	5			29	8	9			24	11	7			21	11	7			18	4	1		
12	149	5	2			116	9	7			80	29	22			50	16	4			29	5	10			24	5	6			21	13	6			20	4	2		
13	150	7	6			116	12	6			81	27	21			50	10	6			25	13	6			23	8	9			21	14	6			22	4	2		
14	152	8	4			122	8	10			82	29	12			52	28	6			25	12	6			25	7	9			25	16	8			23	6	1		
15	154	6	4			122	10	10			82	31	18			50	32	4			23	25	4			23	15	8			31	11	10			24	6	2		
16	154	4	4			118	12	6			76	31	11			50	26	5			23	14	4			26	16	10			36	10	10			28	13	4		
17	154	6	5			120	18	10			88	31	26			58	38	10			39	27	18			40	15	16			44	7	7			28	12	4		
18	152	6	4			120	18	12			100	20	21			77	17	19			51	14	22			54	8	12			45	6	4			30	24	6		
19	154	6	6			124	8	8			102	12	14			80	18	14			61	12	14			58	8	4			45	6	4			30	26	4		
20	154	6	4			126	8	4			100	12	12			83	13	11			61	14	10			60	6	6			45	4	4			31	39	5		
21	155	5	3			128	6	6			102	17	6			84	10	6			60	12	11			60	2	6			43	6	2			30	26	6		
22	154	4	2			128	6	4			102	12	6			84	12	10			59	10	10			60	2	6			45	4	4			30	14	4		
23	156	4	2			128	6	4			102	14	8			82	12	6			59	12	10			56	6	8			43	4	2			26	10	2		

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month November 19 58

Frequency (Mc)

Hour (LST)	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	158	4	3			133	8	4			112	6	12			90	9	11			64	8	7			58	6	4			47	4	5			26	2	2		
01	158	4	2			135	4	8			110	6	9			90	8	12			64	7	7			58	6	6			45	4	4			24	2	2		
02	158	4	2			133	6	4			108	7	7			86	8	11			62	7	9			56	7	4			45	4	4			24	2	2		
03	158	4	2			133	4	6			108	4	7			85	5	12			62	6	10			56	6	5			43	6	2			24	1	2		
04	158	3	4			131	6	4			106	6	7			77	11	8			60	8	10			56	4	5			43	4	2			24	2	2		
05	156	4	2			125	6	6			90	13	7			55	11	4			55	5	13			54	4	3			43	5	4			24	4	2		
06	154	4	3			123	7	6			82	22	14			53	15	2			36	14	6			36	10	8			39	9	5			24	2	2		
07	154	3	4			119	7	7			80	22	11			53	12	2			29	7	9			29	9	5			30	11	3			22	2	0		
08	153	4	4			117	9	6			82	18	15			53	11	3			30	4	9			26	6	6			25	10	4			22	2	2		
09	152	6	3			119	6	5			86	14	12			53	8	4			28	5	10			26	5	8			25	6	6			20	0	2		
10	152	6	5			121	6	10			82	18	10			52	14	3			26	8	7			26	4	8			23	7	6			20	2	2		
11	152	6	4			124	7	6			94	17	13			57	12	8			27	10	9			26	10	8			23	8	6			20	2	2		
12	155	7	5			127	7	7			98	12	20			56	24	7			28	6	10			26	8	10			27	8	10			20	4	2		
13	156	7	6			131	6	8			99	17	14			56	26	8			24	22	6			28	5	11			29	8	8			22	2	2		
14	158	7	4			131	7	8			98	18	12			57	27	8			22	22	4			24	8	8			31	10	8			24	4	4		
15	160	5	6			133	7	10			104	14	22			59	31	10			22	16	4			27	15	9			35	8	6			24	4	2		
16	160	6	4			132	11	7			106	16	18			55	32	6			24	28	6			36	13	13			41	8	8			26	4	2		
17	160	6	4			131	10	6			104	17	15			57	30	6			36	13	13			43	11	10			45	6	5			27	3	3		
18	159	5	6			129	11	6			104	17	6			75	16	13			52	12	8			54	8	9			47	5	4			26	5	3		
19	158	7	4			131	10	4			110	11	6			87	11	9			64	6	7			62	5	6			49	2	4			26	4	2		
20	158	7	4			135	8	6			112	10	4			89	12	6			68	5	8			62	6	3			47	4	2			26	4	2		
21	160	4	6			135	6	5			112	8	6			91	12	7			66	8	5			62	6	4			47	4	4			26	4	3		
22	160	3	6			135	6	5			110	8	5			93	10	10			66	6	7			62	6	6			47	4	4			28	2	4		
23	158	6	3			135	7	6			110	8	8			92	11	11			66	6	6			60	6	6			47	4	4			26	1	2		

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month December 19 58

Hour (LST)	Frequency (Mc)																																							
	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	161	4	5			136	4	6			114	5	7			92	5	12			65	9	6			57	8	4			46	4	6			23	3	2		
01	162	2	6			136	4	7			115	3	9			90	4	8			63	8	6			56	6	5			45	3	5			23	2	3		
02	162	2	5			137	3	8			115	2	10			90	4	10			61	8	8			56	5	5			44	4	4			22	3	3		
03	160	2	4			136	2	7			111	5	7			86	5	8			60	6	7			56	5	5			44	2	4			23	1	3		
04	160	3	4			134	4	8			109	5	7			82	8	12			60	6	5			55	4	4			42	3	3			21	2	0		
05	158	3	2			128	2	6			95	12	12			56	16	6			54	8	13			54	5	6			42	8	4			23	2	3		
06	156	4	2			126	5	9			89	16	20			56	11	8			41	13	11			36	9	8			36	8	4			22	3	1		
07	156	4	4			122	6	10			88	18	15			54	16	6			26	10	6			31	11	5			32	4	7			21	3	2		
08	157	3	6			122	7	11			89	16	18			56	14	7			26	6	6			29	6	7			27	6	5			21	2	2		
09	156	4	6			125	5	9			91	16	14			54	11	4			24	5	5			24	5	6			24	7	4			19	2	0		
10	156	5	5			126	6	9			89	15	12			54	10	7			24	6	6			25	6	5			22	6	4			19	4	0		
11	158	4	8			128	4	10			91	14	12			56	12	8			20	6	2			24	3	5			22	6	4			21	2	2		
12	159	3	7			128	6	4			95	10	10			54	19	6			22	6	4			23	2	6			23	5	5			21	4	2		
13	160	4	6			134	4	10			99	17	11			52	34	4			22	24	4			23	11	6			25	9	4			23	2	4		
14	164	4	8			136	6	8			103	18	10			58	36	8			22	36	4			24	13	7			28	6	4			23	4	4		
15	166	2	6			136	9	8			104	19	13			54	33	4			22	38	4			25	19	6			32	8	8			24	1	3		
16	164	2	5			134	8	7			105	16	14			58	37	8			20	24	2			27	17	6			38	6	8			25	6	2		
17	164	2	4			132	11	4			103	18	9			58	30	6			27	38	5			37	14	7			43	3	4			25	4	2		
18	162	5	6			132	9	6			105	13	8			70	12	9			47	17	6			49	8	6			46	6	4			25	4	3		
19	160	4	4			132	9	6			113	7	6			84	7	6			62	8	7			61	4	4			48	5	2			25	4	4		
20	162	4	4			136	5	5			117	3	5			90	8	6			69	5	7			62	3	5			48	4	3			25	5	2		
21	162	4	4			138	2	7			117	4	7			92	4	7			68	6	6			62	5	3			48	2	4			25	2	2		
22	162	2	5			136	4	4			115	6	5			94	4	10			68	5	8			61	4	3			46	3	2			25	4	3		
23	162	3	4			136	5	5			115	6	7			94	4	10			66	8	7			59	8	3			46	4	5			25	3	4		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month January 1959

Hour (LST)	Frequency																																							
	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	160	6	6	10.5	16.0	135	8	2	10.0	17.5	113	5	7	8.5	17.5	92	5	8	7.0	18.0	64	10	6			59	6	5			46	5	2			24	4	2		
01	160	5	6	10.0	15.0	137	5	4	10.5	15.0	113	5	5	9.0	16.5	89	8	5	8.0	17.5	62	11	4			58	7	4			46	3	2			24	2	2		
02	160	4	3	9.5	15.5	135	6	3	10.5	17.0	111	8	4	10.0	18.0	88	9	7	8.0	18.5	64	9	7			58	6	4			46	2	2			22	2	2		
03	160	3	5	10.5	15.5	135	7	4	10.5	17.5	111	6	5	10.5	18.5	86	10	12	9.5	19.0	62	9	6			58	4	6			46	5	3			22	3	0		
04	159	3	4	11.0	17.5	134	5	5	11.0	18.5	109	7	6	10.5	19.0	84	9	9	9.0	19.0	62	6	6			58	3	4			46	2	2			22	2	0		
05	158	4	2	11.0	17.0	130	6	5	12.0	7.5	97	11	7	12.5	22.5	64	18	9	3.0	20.0	60	8	11			60	4	6			44	6	2			22	4	0		
06	158	2	4	12.0	19.0	125	7	4	11.5	4.5	83	22	9	11.5	18.0	56	16	2	2.0	19.5	42	10	0			42	8	4			40	8	2			22	6	0		
07	154	6	2	12.5	20.5	119	13	3	13.5	5.0	85	20	10	13.5	19.5	56	14	2	2.5	21.5	30	15	4			30	14	5			34	10	4			22	4	0		
08	154	7	2	13.0	21.0	119	11	6	15.0	6.0	83	21	10	14.0	23.0	56	10	4	2.5	23.0	28	4	6			28	8	4			28	7	6			22	2	0		
09	154	6	2	14.0	22.5	123	5	8	14.5	4.5	83	17	8	14.0	23.0	54	17	2	2.0	23.0	26	2	2			26	4	6			26	4	6			20	3	2		
10	154	6	4	15.0	23.0	122	9	9	16.0	5.0	83	21	8	14.5	23.0	54	10	4	2.0	26.5	22	6	3			26	4	10			22	7	4			20	4	2		
11	154	4	4	15.0	23.0	123	7	8	15.0	4.0	83	16	8	14.0	21.0	54	6	5	2.0	25.0	24	4	6			26	2	8			22	6	4			20	2	2		
12	154	8	4	14.0	22.0	123	12	8	14.0	5.0	89	15	14	12.0	21.0	54	8	6	2.0	23.5	22	4	4			24	2	8			20	6	2			20	2	2		
13	156	6	6	14.0	22.5	127	10	8	13.0	6.0	91	14	13	11.0	19.0	54	21	6	2.5	22.0	22	8	4			24	6	6			22	6	6			20	5	2		
14	157	7	5	11.5	20.0	129	8	8	9.0	5.0	95	17	13	9.5	17.5	54	30	4	3.0	18.5	20	13	2			22	8	7			24	6	6			22	4	2		
15	158	8	4	10.0	17.0	131	9	7	6.5	4.0	101	14	12	8.0	18.0	60	10	12	2.0	15.0	20	17	2			19	15	5			28	10	8			22	6	4		
16	160	6	6	9.0	14.5	131	8	6	7.5	4.0	100	16	9	8.0	14.5	61	32	10	2.5	17.0	24	32	6			27	7	9			26	8	8			22	4	2		
17	160	6	4	9.0	16.0	129	10	4	7.5	5.5	100	16	7	8.0	14.5	56	24	6	4.0	14.0	26	28	7			34	10	5			40	4	6			24	2	2		
18	160	6	4	9.5	16.0	129	10	2	7.5	8.0	99	16	6	6.5	11.5	64	14	8	4.5	13.5	42	11	10			44	6	8			44	4	2			24	2	4		
19	158	6	4	9.5	17.0	133	8	8	9.0	11.0	109	10	6	7.0	13.0	81	5	5	5.0	16.0	57	9	5			56	4	6			48	3	2			24	4	2		
20	160	8	5	10.0	16.5	137	4	6	8.5	10.5	114	5	7	6.5	12.0	89	8	9	5.5	13.0	66	6	6			62	2	10			48	2	4			24	6	2		
21	160	6	6	9.0	17.0	137	4	6	8.5	10.0	115	4	8	7.0	13.5	88	11	6	6.0	15.0	64	10	4			62	4	8			48	4	4			24	4	2		
22	160	7	4	9.0	16.5	139	3	8	8.5	13.5	115	2	8	7.0	13.0	90	6	6	7.0	16.0	65	8	6			60	6	7			48	4	4			24	4	3		
23	160	5	4	10.5	16.5	137	6	4	10.0	14.5	113	6	6	8.0	16.0	91	6	7	7.5	17.5	64	9	6			58	6	6			47	5	3			24	2	4		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Month February 19 59

Hour (LST)	Frequency																																							
	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	161	6	2	10.5	16.5	137	8	8	10.5	17.0	113	12	10	9.0	16.5	93	12	9	8.0	16.0	65	10	10			56	9	6			45	5	2			25	2	2		
01	163	2	4	10.0	16.0	137	4	6	10.0	19.0	111	10	6	8.5	17.0	93	10	11	9.0	17.0	63	10	10			56	8	6			45	4	2			25	4	4		
02	161	4	2	10.5	18.0	137	6	6	10.0	18.5	111	12	8	9.5	18.0	89	14	9	9.5	18.5	63	9	10			56	6	4			45	4	3			23	2	1		
03	163	4	4	11.0	17.0	137	4	8	10.5	17.5	111	10	12	9.0	16.5	87	10	11	9.0	17.0	63	9	13			56	7	6			45	5	3			23	2	0		
04	161	4	3	11.0	18.0	135	4	6	10.5	18.0	112	7	11	9.0	16.0	87	10	14	8.0	16.0	61	8	9			57	5	7			43	6	2			23	2	0		
05	161	4	4	12.0	18.0	133	7	5	12.0	18.0	107	8	6	9.5	18.5	71	18	6	10.0	15.0	62	4	11			61	3	7			45	3	4			23	2	0		
06	161	2	6	11.0	18.0	127	4	6	10.0	16.5	87	16	8	12.0	19.0	55	8	4	3.0	5.0	49	8	15			48	4	8			43	4	4			25	4	3		
07	157	4	4	12.0	19.0	123	8	8	10.0	19.0	77	26	14	9.5	15.5	56	5	5	4.0	5.5	33	8	8			31	7	11			35	9	2			23	7	2		
08	157	4	4	13.0	20.0	121	9	8	13.0	20.5	79	19	16	13.0	19.0	56	5	4	3.0	5.5	27	8	2			26	6	4			27	11	4			25	5	4		
09	155	6	4	14.0	21.0	123	7	12	14.0	23.0	83	16	14	14.0	22.0	55	6	6	4.0	5.0	25	13	4			25	6	4			25	9	8			23	2	2		
10	155	6	6	13.0	22.0	123	8	10	14.0	22.0	84	17	17	13.5	19.0	54	13	5	6.0	7.5	25	8	6			24	8	2			23	6	8			21	4	2		
11	155	6	6	14.0	22.0	123	10	11	15.0	24.5	86	13	19	10.5	18.0	54	10	5	4.0	7.5	21	16	2			24	5	7			21	8	4			21	4	4		
12	155	7	5	13.0	21.5	125	8	9	13.0	21.0	89	18	15	11.5	16.5	56	20	7	5.0	10.0	21	13	2			24	5	8			21	8	3			21	4	2		
13	159	4	6	11.5	20.0	129	6	9	8.5	16.0	99	13	23	8.0	16.0	55	20	6	5.0	12.0	21	10	2			24	9	10			27	4	8			23	3	4		
14	160	7	5	9.0	15.5	131	6	8	7.5	14.0	97	14	19	6.5	13.5	55	22	6	5.0	11.5	21	23	2			24	4	10			28	7	9			23	6	2		
15	163	6	10	7.0	14.0	*134			6.0	13.5	*99			5.5	11.0	*59			3.0	7.5	21	14	2			*25					*32					*23				
16	*165			6.5	12.0	*135			5.0	9.5	107	12	15	7.5	13.0	62	32	1	4.5	6.5	*27					*35					37	8	6			26	2	3		
17	164	3	5	8.0	12.0	129	12	6	6.0	10.5	101	18	22	8.0	14.0	58	35	7	5.0	9.0	31	30	11			40	11	14			40	7	7			27	4	4		
18	161	7	4	7.5	15.0	129	12	8	7.5	12.0	105	14	21	7.0	13.0	72	22	13	6.0	12.0	49	17	15			48	8	11			45	4	5			27	4	4		
19	161	4	8	9.0	15.0	133	8	10	7.5	15.0	113	8	18	6.0	11.5	92	7	15	6.0	11.0	62	7	14			58	8	5			47	4	4			27	5	2		
20	163	4	6	9.5	18.0	137	6	11	7.0	15.0	115	8	15	6.0	12.0	94	5	15	7.0	12.0	69	7	12			60	6	7			48	3	5			25	6	0		
21	163	4	6	11.0	17.5	138	6	10	7.5	15.0	115	8	12	7.5	14.0	96	7	13	8.0	13.0	69	6	14			62	4	10			47	4	4			25	4	2		
22	163	6	6	11.0	18.0	137	6	6	8.5	16.5	115	6	12	8.0	16.0	95	10	14	7.5	16.5	67	8	12			60	6	8			45	6	4			25	6	4		
23	161	8	2	12.0	18.0	137	6	6	9.0	17.0	113	14	8	8.0	17.0	94	9	13	8.5	16.0	65	10	10			58	6	8			47	4	5			25	4	2		

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

RADIO NOISE DATA

Station ENKOPING, SWEDEN Lat. 59.5 N Long. 17.3 E Type Recorder ARN-2 Month APRIL 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	118	118	116	115	114	108	104	98	96	*100	*105	*106	108	108	108	110	108	107	108	112	116	115	116	118
D_u	4	4	6	9	6	8	8	13	8				5	5	7	2	6	8	8	6	4	5	6	4
D_ℓ	4	4	4	5	8	6	6	4	4				2	7	4	6	6	5	4	6	6	3	2	4
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	76	78	78	78	76	66	68	69			*72	*70				*66	*66		*78					*78
D_u	5	4	3	6	5	11	12	12																
D_ℓ																								
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	*78	*69	67	66	*67	60	60	*58	*60	*60	*60	62	64	62	60	62	63	62	*67	*74	*65	*80	*74	
D_u			10	11		11	6					3	2	2	4	7	3	6						
D_ℓ			3	7		5	4					7	8	8	6	9	5	6						
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	*58	*57	*58	*54	*50	*40	*37	*38	*38	*34	*38	*38	38	40	42	*42	*50	*52	*50	*50	*52	*54	*56	*56
D_u													6	6	4									
D_ℓ													6	4	10									
V_{dm}																								
L_{dm}																								
	5 Mc *																							
F_{am}	54	54	50	54	52	48	37	36	34	28	38	23	25	26	24	29	27	33	37	46	54	54	55	56
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	*23	*23	*23	*25	*24	*24	*24	*25	*25	*25	*25	*24	26	27	*27	*29	*31	*29	*31	*29	*28	*25	*25	*25
D_u													3	2										
D_ℓ													3	4										
V_{dm}																								
L_{dm}																								

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RADIO NOISE DATA

Station ENKOPING, SWEDEN Lat. 59.5 N Long. 17.3 E Type Recorder ARN-2 Month MAY 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	126	126	120	118	112	111	114	104	110	*116	*110	*116	*116	118	118	120	120	122	122	120	122	128	128	128
D_u	6	7	9	10	16	15	24	26	20					10	12	9	10	9	7	9	8	4	5	5
D_ℓ	11	13	7	6	10	12	8	10	10					6	5	6	8	11	11	4	9	10	10	12
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{om}	93	85	82	75	71	*67	69	*93	*90	*71	*69	*81	*89	*95		*73	*91	*93	*95	*93	*95	*97	*101	92
D_u	12	15	12	6	12		27																	13
D_ℓ	10	9	7	11	6		2																	9
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	*80	68	64	*58	*61	*60	*62	*60	*64	*63	*62	*60	*59	*62	*62	*64	62	*62	*72	*71	*78	*77	*80	*79
D_u		14	7														6							
D_ℓ		6	6														6							
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	60	61	*58	*56	44	*39	*34	36	*34	*31	*34	*34	*37	*36	34	*36	*46	*46	47	*56	62	62	64	62
D_u	11	11			8			4							6				4		4	6	7	9
D_ℓ	8	9			8			8							8				5		7	4	8	8
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	59	58	57	56	51	*44	37	*34	*29	*26	*25	*27	*26	*27	*27	*32	39	44	49	56	61	62	61	63
D_u	8	9	8	7	6		10										6	6	8	6	3	5	6	4
D_ℓ	3	3	4	5	6		4										6	8	8	8	4	5	4	8
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{om}	49	49	49	47	47	*47	44	40	33	37	32	35	36	39	37	43	45	*49	51	51	53	*53	*54	*51
D_u	4	6	3	7	6		5										3		2	3	3			
D_ℓ	8	8	8	6	9		8										7		6	3	4			
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	25	25	23	23	25	25	27	*25	*25	*25	*25	*27	*29	27	29	29	29	*31	31	29	28	27	27	25
D_u	2	2	4	4	2	2	0							4	4	2	4		2	6	11	4	2	2
D_ℓ														4	6	6	6		6	5	5	4	4	2
V_{dm}																								
L_{dm}																								

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RADIO NOISE DATA

Station ENKOPING, SWEDEN Lat. 59.5 N Long. 17.3 E Type Recorder ARN-2 Month JUNE 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	128	122	120	116	114	114	114	114	*116	*120	*121	124	124	127	128	128	126	124	124	124	124	124	126	126
D_u	2	6	6	7	11	12	9	8				8	8	7	8	7	9	7	6	4	5	6	6	6
D_ℓ	11	6	7	5	6	9	12	12				4	4	5	6	5	4	3	6	7	8	6	6	8
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	89	84	75	65	*65	*67	*67	*66		*69	*74	*75			*89	*83	*88	*91	*89	*91	*87	*87	*89	*87
D_u	2	4	10	12																				
D_ℓ	10	9	10	4																				
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	*75	68	58	*54	56	*56	*56	*56	*56	*60	*60	*61	*61	*60	*60	*61	*62	60	*68	64	*73	*75		*76
D_u		6	8		6													8		11				
D_ℓ		4	4		4													4		4				
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station ENKOPING, SWEDEN Lat. 59.5 N Long. 17.3 E Type Recorder ARN-2 Month JULY 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	130	128	126	122	121	118	118	118	120	121	125	126	128	132	132	132	133	132	130	128	126	128	130	130
D_u	6	7	6	7	7	10	12	10	8	7	3	10	12	8	10	8	4	4	6	6	8	6	6	6
D_ℓ	5	2	6	6	9	6	8	6	8	9	13	5	4	8	6	8	8	8	6	6	4	4	4	6
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	95	93	86	71	72	73	71	*85	89	78	81	89	97	97	99	96	96	95	93	95	93	95	99	95
D_u	9	9	10	24	15	18	16		2	13	20	20	10	12	19	13	12	10	8	6	4	8	7	10
D_ℓ	10	9	8	6	7	6	6		8	9	11	16	6	8	14	19	5	8	10	8	6	4	8	6
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	2.5 Mc *																							
F_{am}	62	60	60	56	42	44	36	35	29	28	26	41	35	36	34	36	47	38	48	52	55	60	62	63
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	5 Mc *																							
F_{am}	61	63	59	55	49	39	36	31	24	26	22	30	29	31	31	43	43	47	53	55	59	61	63	61
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	10 Mc *																							
F_{am}	50	50	51	43	42	45	40	37	28	32	34	36	36	42	38	40	44	44	48	48	50	54	55	54
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	20 Mc *																							
F_{am}	22	22	22	22	22	22	21	22	24	24	22	24	26	24	24	24	25	26	25	24	24	24	23	22
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month August 1958

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					* 2.5 Mc					* 5 Mc					* 10 Mc					* 20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	128	6	6								96	5	5								64					62					48					23				
01	130	4	8								97	6	6								64					61					48					23				
02	130	6	8								91	10	8								62					63					44					23				
03	128	4	10								83	14	16								58					59					42					21				
04	124	4	10								75	16	12								48					52					42					23				
05	122	6	8								71	8	8								35					46					42					23				
06	120	6	10								72	9	9								32					39					41					23				
07	120	2	10																		34					33					36					23				
08	*120																				30					27					36					23				
09	*122										*75										28					23					30					23				
10	*120										*77										30					25					34					25				
11	*124										*81										33					24					34					25				
12	126	7	4								*94										36					27					34					27				
13	128	9	4								*97										36					32					36					27				
14	128	9	4								*89										42					39					37					27				
15	128	6	2								*85										41					35					40					27				
16	130	4	13								*91										44					37					42					27				
17	128	2	6								*89										46					41					46					27				
18	128	4	8								*83										50					47					48					30				
19	126	6	6								*93										52					51					48					27				
20	128	6	8								*91										52					58					52					25				
21	*131										*97										62					62					50					25				
22	130	6	6								*97										62					62					51					23				
23	128	4	6								*95										62					63					50					23				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month October 19 58

Frequency (Mc)

Hour (LST)	51 kc					113 kc					246 kc					545 kc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	117	4	6								82	5	5			78	6	8		
01	117	5	6								81	6	7			70	8	6		
02	116	5	5								81	8	9			70	6	4		
03	115	6	8								81	4	10			71	3	6		
04	115	6	8								77	8	10			76	8	4		
05	115	6	6								73	8	6			72	6	16		
06	110	5	7								65	4	4			64	9	9		
07	107	4	10								78					55	6	3		
08	105	6	8								85					54	6	4		
09	104	7	12								73					54	16	4		
10	101	7	6								77	10	8			54	8	6		
11	105	8	10								77					52				
12	103										88					56	6	8		
13	105	8	9								85	4	4			54	4	4		
14	105	12	12								87	4	9			54	4	4		
15	101	15	9								83	11	13			62	17	9		
16	103	14	4								85	8	6			70	14	13		
17	107	11	9								89	8	8			84	8	10		
18	109	6	3								93	4	10			89	6	10		
19	113	6	7								95	16	12			88	6	5		
20	115	5	9								93	10	6			86	9	9		
21	117	3	11								95	6	6			88	7	5		
22	118	4	8								97	12	8			90				
23	115	8	6								83	18	8			82	6	10		

Hour (LST)	2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	48	9	4			49	6	6			39	8	2			21	2	0		
01	49	12	5			51	7	5			39	6	2			21	2	0		
02	46	10	2			51	8	4			39	6	2			21	2	0		
03	46	10	2			51	6	4			39	6	2			22	1	1		
04	46	13	9			49	8	4			39	4	4			21	2	0		
05	46	9	9			49	4	6			39	4	2			21	3	0		
06	42	6	10			45	6	5			39	5	2			23	3	2		
07	36	6	7			40	6	3			39					25	5	4		
08	36	6	8			27					35	4	5			26	5	3		
09	42					25					35					27	4	6		
10	42	4	14			21					33					25				
11	42					21					33					27				
12	42					21	12	4			31					25	10	2		
13	42	2	4			23	14	5			33	6	5			29	5	7		
14	46	4	2			24	11	5			35	10	2			30				
15	47	6	7			31	9	6			37	4	4			29	4	6		
16	48	6	4			37	4	6			39	8	4			27	6	3		
17	48	6	13			43	8	5			41	6	3			27	6	4		
18	54	4	12			49	6	8			45	4	7			25	6	4		
19	54	6	13			51	2	10			47	4	10			23	4	2		
20	51	9	8			51	2	4			44	4	6			23	4	2		
21	50	8	9			51	4	6			45	6	7			23	4	2		
22	50	8	6			51	4	6			45	6	6			23	0	2		
23	54	3	10			49	6	4			39	10	3			21	2	0		

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

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month November 19 58

Frequency (Mc)

Hour (LST)	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	116	7	6								80	4	5			84	4	7			47	5	5			48	6	6			36	6	2			21	2	0		
01	116	7	4								79	6	4			70	8	4			45	8	11			47	8	10			38	2	4			23	0	2		
02	115	9	5								79	4	6			70	4	4			45	7	13			48	7	3			38	2	5			21	2	1		
03	114	6	6								79	4	6			70	10	5			45	7	11			49	5	7			36	5	2			22	1	1		
04	116	4	6								77	2	7			*78					43	7	10			48	4	8			35	7	5			21	2	0		
05	116	5	8								76	5	5			*80					44	8	11			46	6	7			36	8	12			23	0	2		
06	112	6	4								74	6	10			*75					44	8	5			46	6	6			36	2	6			23	0	2		
07	110	6	10								*81					70	10	6			38	8	9			40	11	6			*38					23	4	2		
08	104	7	6								*83					*66					37	6	9			36	12	9			36	2	6			*27				
09	106	6	8								*73					64	14	5			45	2	8			*26					34	4	10			*29				
10	104	7	4								*71					*66					45	6	15			24	6	6			34	4	8			27	10	4		
11	*102										*81					*65					47	2	15			22	6	4			*36					*28				
12	106	7	6								*89					68	16	8			45	7	8			21	10	3			33	5	3			31	6	6		
13	105	6	6								90	10	9			68	12	8			47	4	9			25	6	5			34	5	6			32	8	9		
14	106	7	9								93	6	11			72	8	7			47	6	2			28	7	8			38	6	4			35	5	12		
15	108	2	10								*85					*76					53	4	8			36	4	7			38	4	5			37	6	6		
16	108	6	5								88	12	6			84	8	18			51	5	6			37	4	8			38	6	2			27	4	3		
17	110	7	4								89	8	0			86	8	8			49	8	6			40	6	5			42	4	9			25	2	2		
18	114	4	5								95	7	10			82	10	6			48	12	3			44	5	7			40	7	4			23	4	0		
19	114	6	4								97	10	10			88	7	11			47	6	5			46	6	6			42	5	6			23	0	2		
20	116	6	6								99	5	13			86	10	4			47	5	6			48	4	10			42	10	6			23	0	2		
21	116	6	4								101	10	10			88	7	4			47	7	3			48	6	6			39	11	3			23	2	0		
22	116	4	6								101	11	11			*94					47	6	3			49	5	6			38	11	4			21	0	2		
23	115	5	5								*82					82	7	7			47	6	3			50	4	5			38	4	2			21	2	0		

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

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month December 19 58

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					* 246 kc					545 kc					* 2.5 Mc					* 5 Mc					* 10 Mc					* 20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	116	4	4								78					*73					46					48					34					20				
01	116	4	4								78					64	6	2			50					41					32					20				
02	116	2	4								76					62	8	2			39					51					30					20				
03	*116										74					66	6	6			44					50					34					20				
04	114	4	6								74					*74					40					50					34					20				
05	112	6	2								76					*74					42										36					20				
06	*116										76					*70					59					45					34					20				
07	*112										77					*64					44					40					39					20				
08	*108										89					*70					40					40					36					24				
09	*102										78					*72					38					30					36					25				
10	*100										92					*70					40					21					28					28				
11	*98										82					*72					36					18					33					30				
12	*104										86					*70					42					18					30					30				
13	*100										86					*75					44					20					30					29				
14	*102										89					*70					48					30					38					30				
15	*102										86					*68					52					42					38					30				
16	106	4	4								88					*76					47					42					40					26				
17	110	4	2								88					*80					42					46					42					20				
18	113	5	3								90					*81					41					50					42					20				
19	114	6	4								89					*81					42					56					40					20				
20	116	4	6								92					*82					43					48					40					20				
21	*114										96					*86					44					47					36					20				
22	114	6	2								96					*88					47					52					37					20				
23	115	5	5								80					*80					48					54					34					20				

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month February 19 59

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	113	2	4								73	6	4			*71					*47					*46					*36					22	0	1		
01	113	4	3								74	8	3			64	3	5			*45					*47					*33					*22				
02	113	4	2								73	6	4			62	7	4			*45					*45					31	2	2			22	1	0		
03	113	4	2								73	4	8			*63					*43					*47					33	2	4			*22				
04	113	4	3								*72					*71					*45					*48					*33					*22				
05	113	3	4								*70					*75					*41					*46					*31					22	0	1		
06	111	6	4								*75					*71					*41					*44					*32					22	2	0		
07	*107															*72					*34					*36					*39					24	1	2		
08	*102															*69					*33					*33					*34					*24				
09	*95															*64					*35					*24					*33					*24				
10	*99															*63					*39					*22					*31					*26				
11	*100															*62					*39					*22					*31					*29				
12	*97															*60					*41					*22					*29					28	6	6		
13	*99															*65					*42					*22					*29					*28				
14	*97															*63					*47					*24					*36					28	6	4		
15	97	4	4													*76					51	2	4			28	8	4			*37					28	4	4		
16	101	7	6													*73					51	4	6			34	10	4			41	2	6			28	4	4		
17	103	7	4													*79					*49					*48					*44					26	2	4		
18	105	4	3													*79					*45					48	2	8			*41					24	2	2		
19	109	3	2													*81					*43					50	4	4			*43					22	2	2		
20	110	3	3													*81					*45					*48					*39					22	2	2		
21	111	4	3													*81					*45					*48					*43					22	1	2		
22	111	5	3													*83					*45					48	6	4			*42					22	0	2		
23	113	4	2								*72					80	9	7			*45					50	4	4			*40					22	0	2		

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

RADIO NOISE DATA

Station Front Royal, Virginia Lat. 39 N Long. 78 W Type Recorder Modified Commercial Month November 19 57

	Local Mean Time																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	135 kc																							
F_{am}	107	107	107	108	105	106	102	95	94	96	*97	93	91	91	92	91	92	94	99	100	102	102	103	103
D_u	13	11	12	10	13	9	11	8	13	11		14	15	15	15	16	14	17	13	14	17	16	16	16
D_ℓ	8	8	7	12	8	10	8	7	>9	11		>10	>8	9	9	9	8	9	7	6	5	7	7	7
V_{dm}																								
L_{dm}																								
	535 kc																							
F_{om}	91	92	91	92	90	89	65	65	62	61	60	60	61	61	62	61	65	75	81	85	87	87	89	90
D_u	7	7	7	6	7	8	6	6	7	6	6	5	5	3	2	6	10	13	10	8	7	10	9	6
D_ℓ	5	4	4	7	6	5	4	4	5	3	3	3	3	4	5	5	4	9	5	8	10	4	6	4
V_{dm}																								
L_{dm}																								
	2.18 Mc																							
F_{om}	58	58	59	56	54	54	53	39	32	30	*29	29	28	29	29	32	36	51	54	56	59	60	59	57
D_u	14	14	14	11	11	11	10	12	11	3		2	4	4	5	4	8	9	9	10	8	12	8	10
D_ℓ	7	7	8	5	5	5	10	5	6	6		4	3	5	4	6	4	10	9	8	8	8	7	6
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{om}	42	41	40	43	41	40	40	40	37	35	33	34	32	33	38	43	45	47	48	50	49	45	47	44
D_u	8	8	11	7	6	5	6	7	10	8	10	6	8	8	6	5	7	7	10	7	9	14	15	17
D_ℓ	1	3	2	5	3	4	4	5	5	6	6	5	>5	6	9	8	8	7	6	8	7	4	6	3
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	21	21	21	23	25	24	27	33	36	35	*30	32	30	29	28	28	29	28	28	27	26	25	22	20
D_u	5	5	5	4	7	6	9	7	8	10		6	6	8	9	11	10	12	12	12	11	10	9	8
D_ℓ	3	4	4	6	7	4	8	13	12	11		8	10	9	8	7	7	6	6	6	4	7	4	2
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8N Long. 78.2W Type Recorder Modif. Comm. Month DECEMBER 1957

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	135 kc *																							
F_{am}	101	100	101	101	98	97	95	89	85	87	86	86	87	87	88	87	90	91	94	96	98	98	98	101
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	535 kc *																							
F_{am}	88	88	88	87	85	84	78	63	59	60	58	58	58	58	58	58	60	67	73	78	81	85	87	88
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	2.18 Mc *																							
F_{am}	54	54	54	52	50	49	48	42	32	30	29	30	29	28	30	32	34	47	50	53	54	55	55	56
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	10 Mc *																							
F_{am}	43	40	41	42	39	38	39	37	37	34	32	28	30	30	32	37	40	41	43	43	43	42	43	42
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	20 Mc *																							
F_{am}	21	21	20	20	21	21	21	22	25	28	29	27	27	28	29	27	27	28	29	27	25	23	22	21
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8N Long. 78.2W Type Recorder Modif. Comm. Month JANUARY 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	135 kc																							
F_{am}	104	103	104	103	104	102	100	98	92	92	*91	*92	89	89	90	89	94	96	99	101	104	105	105	103
D_u	7	8	7	6	5	10	9	4	3	5			5	5	3	5	3	4	3	4	4	4	3	6
D_ℓ	4	4	6	5	7	4	4	6	6	5			6	6	6	5	7	7	5	5	5	7	5	3
V_{dm}																								
L_{dm}																								
	535 kc																							
F_{am}	87	87	89	88	86	86	83	69	65	63	*62	*61	62	62	62	62	63	70	72	76	82	85	85	86
D_u	6	7	4	6	6	4	6	8	5	4			3	4	2	4	6	5	8	7	7	4	7	5
D_ℓ	4	4	6	3	6	6	5	4	3	2			5	4	5	5	6	12	5	6	8	8	3	6
V_{dm}																								
L_{dm}																								
	2.18 Mc																							
F_{am}	59	59	59	58	58	59	57	47	36	34	29	31	29	28	28	29	30	44	51	53	57	59	59	58
D_u	6	6	10	11	6	7	9	9	6	2	7	3	4	6	5	5	4	3	4	6	6	5	4	5
D_ℓ	7	6	7	6	7	7	9	4	7	8	2	4	3	4	<4	5	6	7	5	7	9	10	8	5
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	62	59	59	58	56	57	55	50	38	34	31	29	29	29	30	32	39	50	56	60	62	64	64	64
D_u	6	7	3	7	6	6	7	7	5	4	2	2	2	3	2	4	6	5	6	6	3	4	5	4
D_ℓ	6	6	5	4	4	4	3	3	3	3	3	3	2	2	2	3	4	7	6	5	3	6	4	7
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	45	44	44	42	42	41	41	41	36	33	*29	29	30	30	32	37	42	45	47	48	48	48	46	46
D_u	5	6	5	8	5	6	6	6	6	5		6	4	4	4	3	2	4	2	3	4	2	4	4
D_ℓ	5	5	5	2	4	2	3	2	2	2		2	3	3	3	5	4	4	4	6	6	5	4	5
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	21	21	21	21	22	22	22	24	26	27	*26	27	28	28	27	28	28	28	28	27	25	24	22	22
D_u	2	2	2	2	0	1	1	3	2	4		2	1	1	3	3	1	2	3	4	4	2	3	1
D_ℓ	4	4	4	4	5	4	4	6	4	4		3	3	4	2	3	2	2	2	1	3	3	3	3
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
F_{om}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8N Long. 78.2W Type Recorder Modif. Comm. Month FEBRUARY 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	135 kc																							
F_{am}	109	108	107	106	107	108	102	99	94	95	98	96	99	99	99	100	94	95	97	101	107	108	108	108
D_u	8	7	6	9	12	7	11	10	14	11	7	9	7	9	5	9	9	11	9	11	9	7	7	10
D_ℓ	10	9	7	6	6	8	5	5	4	6	8	7	5	5	4	7	6	7	6	7	7	9	9	8
V_{dm}																								
L_{dm}																								
	535 kc																							
F_{om}	87	87	88	89	86	84	74	63	62	62	62	60	60	61	60	61	62	63	69	76	80	80	85	83
D_u	15	13	14	10	13	15	20	18	17	17	16	5	6	15	13	15	13	16	15	11	13	14	15	9
D_ℓ	6	6	5	9	7	10	8	7	6	6	6	2	4	5	2	3	3	4	8	9	11	6	8	5
V_{dm}																								
L_{dm}																								
	2.18 Mc																							
F_{am}	63	62	62	60	61	59	55	42	37	35	37	35	35	34	35	36	40	45	53	60	63	62	67	65
D_u	11	12	12	14	10	12	10	12	14	11	4	6	6	7	7	7	8	20	20	16	16	12	8	9
D_ℓ	11	12	12	10	11	8	8	5	3	2	4	3	4	3	3	4	7	8	8	9	9	7	14	13
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	66	65	64	58	58	59	58	51	41	37	33	32	32	33	33	37	40	48	60	60	65	64	66	68
D_u	6	5	5	10	8	6	5	9	8	9	4	5	5	4	4	5	11	14	9	9	7	7	5	6
D_ℓ	5	9	11	4	6	7	8	9	4	3	2	3	2	3	3	6	7	8	11	8	9	7	7	6
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{om}	45	45	42	41	*40	41	*40	42	42	36	37	*35	*33	36	37	40	44	47	48	49	49	48	46	46
D_u	7	4	8	11		8		4	2	7	3			5	7	8	10	13	12	10	10	9	8	8
D_ℓ	6	7	4	4		6		4	7	4	6			8	7	11	9	8	6	6	7	7	6	7
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	21	22	22	23	24	25	25	*24	*30	*30	*31	*28	28	28	29	30	30	32	32	31	27	24	22	22
D_u	2	3	3	2	3	2	3						4	4	5	4	7	5	5	4	6	5	4	5
D_ℓ	1	2	2	3	3	3	3						2	3	5	3	2	5	5	4	3	3	2	2
V_{dm}																								
L_{dm}																								
F_{om}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8N Long. 78.2W Type Recorder Modif. Comm. Month MARCH 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	135 kc																							
F_{am}	107	107	107	109	112	108	109	101	98	98	99	97	101	100	99	100	99	99	102	105	107	108	108	108
D_u	13	13	12	10	5	10	7	6	6	7	4	4	4	8	8	6	6	6	5	9	10	9	11	12
D_ℓ	5	4	4	7	8	3	3	5	5	4	5	4	7	6	4	5	5	4	5	5	5	6	6	6
V_{dm}																								
L_{dm}																								
	535 kc *																							
F_{am}	91	92	94	98	92	91	70	64	61	61	60	62	63	64	63	65	65	66	68	74	82	89	90	91
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	64	64	64	64	60	60	46	38	32	32	30	32	32	31	32	31	35	38	51	60	63	63	63	63
D_u	11	9	7	7	11	10	10	5	5	4	7	4	6	7	4	5	4	7	6	8	8	7	10	11
D_ℓ	7	6	5	6	7	10	7	4	5	5	4	4	4	4	6	4	6	5	10	9	8	7	7	7
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	63	60	60	61	60	59	55	44	36	33	31	31	30	30	30	31	35	42	54	61	64	63	65	65
D_u	6	8	8	7	7	8	7	6	2	2	2	1	2	1	2	2	3	7	8	5	6	9	8	9
D_ℓ	6	4	3	4	5	3	8	6	3	2	1	2	1	1	1	1	2	5	5	6	7	4	5	6
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	45	44	43	43	44	44	43	40	36	34	32	29	29	31	33	36	42	45	48	49	48	47	47	46
D_u	5	7	6	6	5	7	9	7	5	4	3	6	6	6	4	5	3	6	5	4	4	5	5	6
D_ℓ	5	4	3	3	5	4	4	6	5	5	6	6	2	2	5	5	7	4	4	3	3	3	5	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	24	24	25	25	25	25	25	* 27	*29	*29	*29	*28	30	30	31	31	30	30	30	29	28	26	25	25
D_u	2	2	1	2	1	1	1						4	2	3	4	3	5	5	3	4	3	3	2
D_ℓ	2	2	2	2	2	2	2						4	2	3	2	2	2	2	3	3	2	3	3
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8N Long. 78.2W Type Recorder Modif. Comm. Month APRIL 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	135 kc																							
F_{am}	113	113	113	111	113	108	100	100	96	97	98	98	100	101	99	100	100	100	102	107	113	116	114	114
D_u	15	15	13	14	11	12	14	12	11	6	12	10	10	9	14	15	20	27	21	13	14	12	14	15
D_ℓ	9	7	8	5	7	9	6	6	4	6	10	6	6	6	4	6	6	7	8	9	11	12	9	10
V_{dm}																								
L_{dm}																								
	535 kc *																							
F_{om}	93	93	92	92	91	77	72	71	71	69	69	69	69	70	69	72	75	79	79	75	88	90	91	93
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{om}	71	71	69	69	67	56	44	40	35	33	*33	33	33	33	35	35	37	43	56	63	69	72	75	73
D_u	8	9	10	8	9	15	14	12	7	6		7	9	18	21	16	29	30	17	15	9	7	4	6
D_ℓ	10	10	10	8	7	7	8	7	5	3		4	4	5	7	6	5	8	13	5	8	10	13	9
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	66	66	65	65	62	59	46	41	36	33	31	30	31	32	32	33	37	44	55	62	64	66	66	67
D_u	7	5	5	5	5	7	10	13	9	7	9	6	5	7	6	5	11	16	10	8	10	9	10	8
D_ℓ	6	10	8	8	8	8	5	5	4	5	5	2	2	4	4	4	4	7	6	4	4	6	6	8
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	50	50	49	47	46	45	47	42	37	36	37	33	33	34	35	39	44	49	51	54	54	53	51	51
D_u	6	6	7	8	8	9	5	8	10	11	8	11	7	8	9	10	8	11	8	7	6	6	5	5
D_ℓ	7	8	7	5	5	5	9	8	3	5	7	4	4	3	5	5	5	6	4	5	7	7	6	8
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	27	27	27	27	27	27	27	28	29	30	30	30	29	29	29	29	31	31	32	32	30	28	28	28
D_u	6	6	5	4	4	4	5	5	6	2	4	5	5	6	4	4	5	8	5	5	5	6	5	4
D_ℓ	2	1	1	1	1	1	2	3	2	5	5	6	4	5	5	4	6	5	6	6	5	3	3	3
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8N Long. 78.2W Type Recorder Modif. Comm. Month MAY 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	135 kc																							
F_{am}	122	121	120	120	119	109	104	104	106	106	106	107	105	108	108	111	113	114	115	115	118	123	123	123
D_u	4	4	5	5	7	9	13	14	12	10	11	13	15	23	28	25	20	19	16	10	7	5	6	4
D_ℓ	7	8	8	8	5	6	4	5	4	5	5	7	8	9	10	11	12	13	13	11	9	10	8	9
V_{dm}																								
L_{dm}																								
	500 kc																							
F_{am}	88	87	87	88	80	68	67	68	71	70	*70	*70	*73	74	74	74	82	80	78	76	81	84	88	88
D_u	6	5	5	5	8	7	7	5	3	4				>30	>30	>30	>20	>22	>24	17	7	9	9	7
D_ℓ	8	9	8	10	3	5	4	5	7	6				5	5	5	13	11	9	7	6	6	10	10
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	73	72	73	73	71	53	47	39	33	31	32	33	41	42	42	44	43	47	55	66	73	73	73	72
D_u	7	7	7	7	8	11	10	11	8	8	9	14	19	39	>42	38	31	25	15	9	7	8	8	7
D_ℓ	8	7	9	10	9	10	9	4	2	2	3	4	5	5	5	8	8	13	16	16	12	8	6	4
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	63	61	62	62	60	51	41	36	29	27	27	27	33	33	33	35	39	45	53	63	63	65	64	63
D_u	3	5	4	5	7	8	10	9	7	5	4	6	13	21	32	28	18	12	9	8	10	4	4	4
D_ℓ	5	3	5	6	5	5	4	4	2	2	2	2	2	2	2	4	8	10	8	8	3	5	4	4
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	50	50	50	49	49	50	47	43	37	35	33	33	37	38	42	44	45	48	49	52	53	52	52	52
D_u	4	3	4	4	4	3	4	6	8	7	6	5	8	11	13	10	6	3	6	3	3	3	3	2
D_ℓ	2	4	4	4	4	7	4	5	4	5	3	4	4	4	6	5	6	6	4	5	3	2	3	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	28	28	28	28	27	27	27	27	27	27	26	26	29	30	31	32	30	31	32	32	30	29	28	28
D_u	1	1	1	1	1	1	2	2	3	2	2	2	3	4	7	5	3	5	4	2	3	3	2	3
D_ℓ	1	2	2	1	1	2	2	2	1	2	1	2	1	2	2	3	2	2	3	3	2	2	1	1
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8 N Long. 78.2 W Type Recorder ARN-2 Month JUNE 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	135 kc																							
F_{am}	121	121	121	120	123	113	111	111	108	108	109	111	111	116	117	120	120	119	118	118	118	122	122	124
D_u	5	6	6	8	6	12	14	12	15	14	12	9	15	16	>21	>17	18	>19	>19	>20	16	10	10	10
D_ℓ	7	5	5	5	6	10	10	8	7	7	10	11	11	14	14	15	15	14	15	13	10	8	7	5
V_{dm}																								
L_{dm}																								
	500 kc																							
F_{am}	90	90	89	88	81	67	68	68	64	65	65	65	72	74	74	76	76	77	77	76	78	85	88	89
D_u	6	8	7	7	7	11	8	8	9	10	11	15	22	30	>40	38	36	38	>33	>36	28	15	12	12
D_ℓ	9	8	7	6	5	3	4	3	3	4	5	6	6	8	7	10	9	11	10	8	7	9	10	11
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	74	74	73	73	72	48	42	39	33	33	33	32	37	39	39	39	42	42	48	57	68	71	71	72
D_u	8	7	6	5	3	8	8	8	7	8	5	10	17	34	41	35	30	37	31	>25	13	11	10	10
D_ℓ	9	7	4	6	8	7	6	3	3	4	5	3	4	6	6	4	7	7	12	10	12	7	5	6
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	64	64	64	63	63	53	44	38	30	28	27	26	33	34	35	37	38	44	53	64	67	66	66	65
D_u	6	5	4	5	4	6	8	9	11	7	6	10	17	27	28	22	18	16	10	10	10	6	7	8
D_ℓ	5	5	5	5	6	5	8	5	3	2	2	1	4	5	6	7	10	15	10	12	6	4	3	5
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	51	50	49	48	47	47	45	43	38	37	35	34	39	41	41	45	44	46	48	51	52	53	53	53
D_u	3	6	5	6	4	5	6	4	6	5	6	5	6	9	11	8	5	10	8	12	8	6	6	4
D_ℓ	5	5	5	5	4	7	7	6	5	6	5	5	6	7	7	8	8	4	4	4	2	3	3	5
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	27	27	27	27	27	26	26	26	26	26	25	25	26	27	28	29	28	29	30	30	30	29	29	28
D_u	3	2	2	2	2	3	2	2	2	1	3	2	3	4	5	6	3	4	3	6	4	4	3	4
D_ℓ	1	1	1	1	1	1	1	1	2	2	1	2	1	2	2	3	3	3	3	2	3	2	3	2
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8 N Long. 78.2 W Type Recorder ARN-2 Month JULY 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	135 kc																							
F_{am}	122	121	121	121	124	118	114	111	112	110	112	117	117	121	127	127	124	125	124	124	124	123	124	122
D_u	9	9	8	7	8	5	7	10	10	14	13	16	16	20	>16	>16	>16	15	14	11	10	10	8	9
D_ℓ	5	5	6	6	5	10	10	7	9	7	7	10	10	14	18	12	11	10	16	16	11	4	5	5
V_{dm}																								
L_{dm}																								
	500 kc																							
F_{am}	87	87	86	87	85	76	73	75	73	74	75	78	78	83	86	92	94	94	97	94	88	85	85	85
D_u	9	9	7	3	6	5	8	6	10	8	9	20	28	29	>32	>26	26	21	14	17	15	14	13	11
D_ℓ	9	8	8	11	8	14	11	13	11	12	13	15	16	21	22	17	18	15	21	17	12	6	6	5
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{om}	73	73	72	72	70	50	39	34	32	32	32	34	39	46	56	59	58	60	64	65	69	71	72	73
D_u	6	5	6	6	5	8	4	5	6	5	5	20	32	35	32	35	30	21	15	13	9	7	6	6
D_ℓ	7	7	6	6	6	8	7	4	4	4	4	5	4	12	20	21	22	20	21	17	10	7	6	7
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	65	64	64	63	63	54	43	36	31	29	28	28	33	38	43	47	49	52	56	62	64	65	65	65
D_u	2	5	5	5	4	7	5	6	6	5	5	17	26	27	30	32	24	15	10	9	7	6	4	4
D_ℓ	6	5	6	6	4	7	7	6	4	2	3	3	4	9	12	12	15	12	10	7	6	4	4	4
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	51	50	49	47	47	46	43	41	37	35	33	34	37	39	42	45	46	49	51	52	52	52	52	51
D_u	2	4	3	4	3	4	6	5	4	5	6	6	8	13	16	18	12	5	3	4	5	4	3	3
D_ℓ	5	5	6	6	5	5	3	4	4	5	4	4	6	5	8	10	6	6	5	6	3	4	3	3
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{om}	29	28	28	28	28	27	28	28	27	27	26	26	27	28	29	31	32	33	33	34	31	30	29	29
D_u	2	2	2	1	1	2	1	2	2	2	2	2	5	7	12	15	10	5	4	2	3	3	3	3
D_ℓ	2	1	1	1	1	1	1	2	1	2	1	1	1	1	2	4	3	4	3	3	2	2	1	2
V_{dm}																								
L_{dm}																								
F_{om}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station FRONT ROYAL, VA. Lat. 38.8 N Long. 78.2 W Type Recorder Modif. Comm. Month AUGUST 19 58

	LST 00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	135 kc																							
Fam	123	121	121	120	123	119	118	118	114	113	111	114	118	121	124	126	124	125	122	123	123	125	125	126
Du	8	11	11	10	10	9	8	6	8	8	10	9	9	12	14	14	13	11	14	15	13	12	9	6
Dℓ	11	9	9	5	2	8	9	11	6	7	6	6	9	15	18	23	21	23	21	19	11	8	13	14
Vdm																								
Ldm																								
	500 kc																							
Fam	92	92	91	91	91	75	71	70	71	68	67	68	75	80	85	91	90	84	82	84	87	90	91	92
Du	12	11	13	13	9	5	5	7	2	8	8	8	19	22	29	29	25	31	30	27	24	19	15	14
Dℓ	8	5	4	3	8	7	4	5	6	3	3	4	9	13	18	22	23	16	16	18	12	8	7	9
Vdm																								
Ldm																								
	2.5 Mc																							
Fam	74	74	73	73	73	62	48	41	33	32	31	31	33	39	44	51	53	50	53	64	75	77	75	76
Du	6	8	10	9	9	11	8	13	4	4	3	8	24	28	30	22	26	31	24	20	10	7	8	7
Dℓ	6	8	6	5	5	9	7	6	3	2	3	2	3	11	13	22	24	19	14	10	8	10	8	11
Vdm																								
Ldm																								
	5 Mc																							
Fam	62	62	61	61	61	55	45	39	34	32	29	28	30	33	37	43	45	50	54	63	65	64	65	64
Du	3	4	5	6	5	6	8	7	5	2	4	5	9	14	21	19	17	10	4	6	5	6	2	4
Dℓ	3	4	1	1	1	1	3	8	3	3	2	1	2	5	9	14	13	12	8	7	6	4	6	5
Vdm																								
Ldm																								
	10 Mc																							
Fam	50	49	49	49	49	48	46	44	41	38	*36	36	38	41	44	45	47	48	49	51	53	52	53	51
Du	5	4	1	2	3	5	5	6	4	7		3	3	3	5	6	3	4	6	5	7	6	2	4
Dℓ	1	1	2	4	4	2	3	3	4	2		3	5	7	9	8	7	4	2	3	2	1	2	2
Vdm																								
Ldm																								
	20 Mc *																							
Fam	28	29	28	28	29	28	28	29	29	29.	28	26	25	27	29	31	31	33	32	31	31	31	29	29
Du																								
Dℓ																								
Vdm																								
Ldm																								
Fam																								
Du																								
Dℓ																								
Vdm																								
Ldm																								
Fam																								
Du																								
Dℓ																								
Vdm																								
Ldm																								

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month September 19 58

Hour (LST)	Frequency (Mc)																																							
	135 kc					500 kc					2.5 Mc					5 Mc					10 Mc					20 Mc														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	112	8	5			82	9	5			67	9	7			58	5	4			46	2	5			27	1	1												
01	111	7	3			82	9	4			67	11	6			58	6	3			47	3	5			26	2	1												
02	111	7	5			83	7	7			68	11	7			58	6	3			47	4	6			26	1	2												
03	111	6	4			83	6	8			69	12	6			58	6	3			44	4	6			26	0	2												
04	114	5	5			82	8	6			67	11	6			57	7	4			45	5	6			25	1	1												
05	112	6	4			77	8	6			63	7	3			56	4	4			44	5	6			25	1	1												
06	101	13	6			63	12	4			42	5	4			43	6	2			42	5	4			26	1	1												
07	97	15	6			61	12	3			36	6	3			35	6	2			39	4	3			29	1	3												
08	98	16	4			61	11	2			30	6	3			29	5	2			36	4	3			28	3	2												
09	98	14	5			62	12	3			29	6	3			27	4	2			33	5	3			28	3	3												
10	98	15	5			62	9	3			29	6	4			25	5	0			31	6	2			27	3	3												
11	98	13	4			62	7	2			29	2	6			25	4	2			31	5	2			26	4	2												
12	97	13	5			63	6	2			29	3	4			25	4	2			30	5	2			26	5	1												
13	98	16	6			64	7	3			29	4	3			26	3	2			31	7	2			28	4	3												
14	100	18	7			64	24	3			29	14	5			27	8	3			35	4	4			29	4	2												
15	100	22	6			63	29	2			29	9	3			28	11	3			37	6	3			30	4	1												
16	99	20	5			59	21	2			32	19	4			33	12	4			40	3	3			33	3	2												
17	98	20	5			60	19	4			39	9	6			41	11	2			44	4	3			34	2	3												
18	103	16	5			64	15	6			51	12	6			51	7	4			46	3	3			34	2	3												
19	109	13	5			65	11	10			63	6	7			57	4	4			47	3	3			33	3	3												
20	111	11	4			80	10	8			67	6	7			59	4	4			47	3	3			30	3	1												
21	112	10	4			82	7	6			66	7	8			59	5	4			47	3	4			30	2	3												
22	111	9	4			81	11	4			66	5	9			60	5	6			46	4	4			28	4	1												
23	112	8	4			82	9	4			66	6	6			58	6	4			46	4	4			28	3	2												

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

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month October 19 58

Hour (LST)	Frequency (Mc)																																							
	* 135 kc					500 kc					2.5 Mc					5 Mc					10 Mc					20 Mc														
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	111					84	11	7			61	11	8			60	5	6			44	7	4			25	2	1												
01	110					86	8	8			63	9	11			60	5	5			43	7	3			24	2	1												
02	111					86	8	8			63	8	10			60	4	4			43	5	5			24	2	1												
03	111					84	7	6			63	8	9			58	7	2			43	3	5			24	2	1												
04	112					80	9	6			60	10	8			57	5	3			42	4	5			24	1	2												
05	110					75	13	5			58	9	8			57	6	4			41	4	5			24	1	1												
06	100					59	9	6			44	7	5			48	7	4			39	6	5			25	2	2												
07	94					56	11	3			35	4	6			38	5	3			37	10	4			27	2	3												
08	90					54	13	4			31	6	6			43	6	2			33	9	5			28	2	2												
09	93					56	12	4			30	4	4			40	7	3			30	9	3			29	2	3												
10	93					56	11	4			30	4	3			29	4	2			29	8	6			28	2	3												
11	91					56	14	4			30	4	3			28	3	1			29	6	6			27	3	2												
12	96					57	12	3			30	4	3			26	4	2			30	5	7			27	2	2												
13	96					56	14	4			30	6	4			26	7	2			31	8	4			28	2	3												
14	96					57	12	5			31	8	5			28	9	4			33	8	4			29	3	3												
15	95					58	14	6			31	10	6			30	11	4			36	7	4			30	2	2												
16	94					60	14	6			34	15	4			39	11	6			41	5	4			31	2	2												
17	94					61	16	7			43	18	6			47	11	4			44	5	3			31	3	1												
18	103					72	10	9			54	12	7			55	6	4			46	5	3			32	0	2												
19	107					76	10	7			59	7	10			59	4	6			46	6	3			31	1	3												
20	111					81	11	6			59	9	7			60	4	6			47	4	6			29	2	2												
21	112					82	13	7			60	9	8			60	5	6			46	5	5			28	2	2												
22	111					85	12	9			60	11	7			60	6	6			45	6	5			27	2	2												
23	111					85	11	9			61	10	7			60	5	7			45	6	6			27	1	2												

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month November 1958

Hour (LST)	Frequency (Mc)																																							
	* 135 kc					500 kc					2.5 Mc					5 Mc					10 Mc					20 Mc														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	104					84	10	5			58	10	6			53	8	6			42	5	6			24	2	1												
01	107					85	7	5			58	11	6			53	10	5			41	5	6			24	2	1												
02	106					84	9	5			57	11	5			53	9	6			41	4	5			24	2	2												
03	106					83	9	6			58	10	6			54	7	5			41	5	6			24	2	1												
04	106					77	10	6			56	12	4			52	8	4			39	6	6			24	3	2												
05	104					74	11	9			56	12	6			52	7	5			38	6	6			24	3	1												
06	100					65	16	7			54	10	8			49	8	6			37	8	6			25	2	2												
07	97					58	9	4			42	10	8			43	8	8			39	5	7			26	4	2												
08	95					54	6	3			37	6	6			36	7	5			36	6	6			28	3	2												
09	95					54	7	4			32	6	6			32	7	5			33	5	5			29	2	3												
10	99					54	5	4			31	5	4			30	6	4			31	7	4			29	1	2												
11	107					55	5	4			32	3	7			27	7	2			31	6	4			29	1	2												
12	98					55	5	4			31	4	5			27	6	2			33	4	5			29	2	2												
13	97					55	4	3			31	5	5			29	6	4			34	4	6			29	2	2												
14	97					56	3	5			33	5	7			31	6	5			35	5	6			29	3	2												
15	94					55	3	5			33	8	4			34	9	5			37	5	4			30	2	2												
16	92					60	2	5			37	7	3			42	12	5			40	6	4			31	2	2												
17	92					63	8	6			48	5	5			52	4	7			44	5	6			31	2	2												
18	102					68	14	4			51	8	2			53	4	7			43	5	4			30	3	1												
19	111					75	11	7			54	7	3			54	5	8			43	5	4			29	3	1												
20	108					78	11	6			57	7	3			54	6	8			44	5	4			28	3	2												
21	108					81	9	6			58	6	4			54	6	7			44	5	4			27	3	2												
22	108					83	9	5			58	8	4			54	6	6			43	5	4			26	1	2												
23	103					83	11	5			59	8	6			54	6	6			42	5	4			25	1	2												

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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month December 19 58

Hour (LST)	Frequency (Mc)																																							
	135 kc					500 kc					2.5 Mc					5 Mc					10 Mc					20 Mc														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	103	6	6			79	7	7			57	4	6			53	2	5			40	5	3			24	1	2												
01	104	5	6			81	4	7			56	5	4			53	2	6			40	5	3			23	1	1												
02	104	3	7			80	5	6			56	4	5			52	1	5			40	3	4			23	2	1												
03	105	2	8			80	4	7			57	6	6			51	3	4			39	4	3			24	0	2												
04	104	4	8			76	6	7			56	9	7			51	4	5			38	4	3			23	2	1												
05	104	4	8			73	7	9			56	9	9			51	4	5			36	5	3			23	2	1												
06	100	7	6			69	8	9			54	8	9			51	2	6			38	4	5			24	1	1												
07	94	4	3			58	3	3			46	3	4			45	3	3			40	3	4			24	2	1												
08	91	5	3			55	3	4			36	5	3			36	3	3			36	5	3			27	1	3												
09	90	4	4			54	3	3			35	4	5			33	1	4			34	3	3			28	1	2												
10	90	4	4			55	2	4			34	4	3			30	2	3			31	4	2			28	1	1												
11	91	6	6			55	2	4			34	4	3			28	4	2			30	4	2			28	1	3												
12	89	7	4			55	3	4			33	5	4			27	3	1			31	4	5			27	2	2												
13	88	8	3			55	2	4			33	4	5			28	2	2			32	3	6			27	2	1												
14	87	8	5			55	3	3			33	4	3			29	2	3			33	3	4			28	1	3												
15	87	8	2			55	3	3			34	4	3			32	2	3			35	4	4			28	1	2												
16	89	8	4			58	4	4			36	5	3			38	4	2			38	4	3			29	0	3												
17	91	11	5			59	4	4			44	9	2			45	6	2			42	2	3			29	1	2												
18	100	6	9			64	13	8			48	9	4			49	5	5			43	3	4			28	2	1												
19	99	6	9			66	11	5			52	5	7			52	5	5			44	2	6			27	3	2												
20	99	5	5			72	10	5			55	4	6			52	8	3			43	3	5			26	3	2												
21	100	7	3			74	10	6			55	4	4			53	7	3			42	4	5			25	3	1												
22	101	8	5			75	11	7			57	4	6			52	6	2			41	4	4			24	2	1												
23	103	7	6			76	9	9			56	5	5			53	4	4			40	4	3			24	2	2												

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month January 19 59

Hour (LST)	Frequency																																							
	135 kc					500 kc					2.5 Mc					5 Mc					10 Mc					20 Mc														
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	98	9	4			73	9	7			49	15	3			51	7	7			39	6	4			24	2	1												
01	99	8	6			74	8	8			49	17	3			50	9	6			38	7	4			24	1	1												
02	97	10	4			73	8	8			49	15	3			51	7	7			38	6	3			24	1	1												
03	98	10	5			71	12	7			50	14	5			50	5	6			36	8	1			24	1	1												
04	97	11	4			67	12	6			50	14	4			50	7	6			34	5	2			24	1	0												
05	95	13	3			64	13	6			49	14	5			49	8	5			34	4	3			25	1	1												
06	94	12	4			59	11	5			47	15	3			47	10	4			33	3	2			25	1	1												
07	91	10	3			57	6	4			43	9	4			45	9	3			34	3	2			25	1	1												
08	88	10	3			54	5	4			34	10	3			36	4	5			34	6	2			27	2	2												
09	87	7	4			54	5	4			34	5	4			29	7	3			32	6	2			28	1	2												
10	87	3	3			54	5	4			32	6	3			27	6	3			30	5	3			28	1	2												
11	87	6	4			55	4	6			32	6	4			27	3	4			29	4	3			27	2	2												
12	87	5	3			56	3	7			32	5	3			26	3	3			29	5	2			26	3	2												
13	87	5	5			56	4	6			32	4	2			27	3	4			30	5	3			26	2	2												
14	87	4	4			56	5	5			32	4	2			27	4	4			32	5	3			27	2	3												
15	87	4	4			56	4	4			33	3	3			29	6	4			34	5	2			27	3	1												
16	87	5	3			57	3	5			33	5	2			35	7	3			38	4	3			28	4	2												
17	89	8	3			57	4	5			40	7	3			43	6	4			40	6	3			28	4	2												
18	93	7	5			59	7	5			45	10	4			48	7	4			41	6	3			28	2	1												
19	94	11	5			62	8	5			49	8	4			50	7	4			42	5	3			27	3	1												
20	97	6	4			67	8	6			50	10	5			51	6	3			43	4	4			25	3	1												
21	98	5	4			69	8	6			50	9	4			50	7	2			41	4	3			24	2	2												
22	98	6	5			71	8	7			50	12	4			51	6	3			40	5	4			24	1	2												
23	98	6	4			72	7	6			50	13	4			52	6	6			41	4	4			24	2	2												

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month February 19 59

Hour (LST)	Frequency																																							
	135 kc					500 kc					2.5 Mc					5 Mc					10 Mc					20 Mc														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	101	10	6			76	11	8			57	8	6			53	3	5			40	9	3			24	1	2												
01	99	10	4			76	9	8			56	8	6			51	4	4			39	8	3			24	1	2												
02	100	8	5			74	11	6			56	8	5			50	6	3			39	6	3			24	1	1												
03	99	10	6			72	11	6			55	10	5			49	8	3			39	3	4			24	2	1												
04	98	10	7			69	13	8			53	12	5			49	8	2			38	5	5			24	2	1												
05	97	11	6			64	19	6			51	13	5			49	10	3			37	4	4			25	1	1												
06	96	14	7			62	17	5			49	13	2			49	12	4			35	7	2			25	1	1												
07	94	7	5			58	6	7			41	6	5			45	6	5			37	6	3			25	1	1												
08	92	9	4			54	5	7			35	5	4			36	6	5			35	7	2			28	2	2												
09	92	10	5			55	4	6			32	5	3			33	9	6			33	5	3			29	1	2												
10	91	10	3			54	3	7			32	3	4			31	5	5			32	4	4			29	1	2												
11	92	8	5			55	4	3			32	3	4			30	4	5			30	5	3			28	2	2												
12	93	9	5			55	4	3			32	3	4			30	4	4			31	5	4			28	1	3												
13	93	8	6			55	4	2			31	4	3			31	3	6			31	3	2			27	2	2												
14	94	4	6			55	4	2			30	6	1			32	3	7			32	3	2			28	1	2												
15	94	4	4			56	2	3			32	4	3			33	4	6			35	4	4			29	1	3												
16	90	4	5			60	5	4			33	3	3			37	7	4			40	4	4			30	2	2												
17	90	6	6			60	4	3			36	8	2			43	7	4			43	4	5			30	2	2												
18	92	7	3			62	4	4			48	7	4			49	7	3			45	5	3			30	2	2												
19	97	8	5			64	12	3			50	11	4			52	5	3			45	4	2			29	3	1												
20	101	8	5			70	5	7			54	10	4			53	3	4			44	5	4			26	3	2												
21	100	6	5			71	10	7			54	11	4			53	3	3			44	4	3			25	2	2												
22	101	9	6			74	13	8			56	11	5			54	3	2			43	5	4			24	2	1												
23	102	7	5			77	11	9			56	10	4			54	4	6			41	6	3			24	1	2												

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

RADIO NOISE DATA

Station IBADAN, NIGERIA Lat. 7.4 N Long. 3.9 E Type Recorder ARN-2 Month MARCH 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
Fam	139	137	139	138	141	139	135	135	135	*129	129	129	129	135	139	140	145	145	143	144	143	143	141	141
Du	8	5	4	7	4	4	6	8	7		11	11	11	4	4	5	4	10	10	9	8	8	10	4
Dℓ	4	2	4	3	6	6	8	10	13		10	8	5	4	10	5	6	8	6	3	4	6	6	6
Vdm																								
Ldm																								
	113 kc																							
Fam	124	124	124	123	124	120	118	118	119	*116	112	114	116	118	124	128	130	132	128	128	128	128	128	126
Du	8	6	8	7	8	9	10	7	5		13	9	10	7	9	10	10	12	12	12	10	10	10	6
Dℓ	5	4	4	3	6	5	11	11	15		10	12	15	10	5	10	12	13	8	5	6	6	6	5
Vdm																								
Ldm																								
	246 kc																							
Fam	111	111	111	111	111	102	100	99	93	*93	94	95	99	103	110	115	119	119	115	115	113	113	111	113
Du	4	6	6	10	10	13	11	12	12		14	14	13	9	11	12	12	19	15	16	14	12	12	7
Dℓ	6	8	8	6	8	7	11	13	10		12	17	14	19	9	14	14	16	14	12	6	6	8	9
Vdm																								
Ldm																								
	545 kc																							
Fam	96	94	96	96	96	86	78	76	*70	*70	72	70	82	86	94	100	105	100	99	97	97	96	94	94
Du	4	8	8	10	10	12	19	16			14	18	8	10	14	18	17	22	18	17	16	10	8	7
Dℓ	10	8	8	6	8	14	10	14			9	6	15	17	10	20	24	12	7	9	6	6	4	7
Vdm																								
Ldm																								
	2.5 Mc																							
Fam	75	75	77	79	79	79	67	55	*51	*43	*48	*51	*52	53	61	67	*69	73	79	81	81	81	81	79
Du	8	7	6	4	5	4	10	14						10	20	14		26	16	12	7	6	4	4
Dℓ	6	3	6	9	9	10	10	6						8	14	16		12	11	2	2	4	8	12
Vdm																								
Ldm																								
	5 Mc																							
Fam	60	60	60	62	62	62	56	48	*36	*36	*36	*36	*37	36	40	48	54	58	64	62	62	64	62	60
Du	4	4	4	2	4	2	7	6						4	12	19	9	5	6	7	4	2	2	2
Dℓ	4	2	6	8	6	6	7	6						2	6	12	17	4	4	2	4	4	6	6
Vdm																								
Ldm																								
	10 Mc																							
Fam	48	46	48	48	46	44	44	40	36	*30	*32	*30	29	28	36	40	46	48	46	46	46	48	48	48
Du	2	4	2	2	4	4	4	4	4				5	8	4	4	10	5	7	9	12	4	5	4
Dℓ	4	2	4	4	4	4	4	6	6				5	3	6	4	6	3	3	4	2	4	4	2
Vdm																								
Ldm																								
	20 Mc																							
Fam	30	31	30	30	29	*29	31	28	*24	*24	*23	24	26	28	30	32	34	36	31	29	31	33	33	31
Du	9	5	7	6	8		4	7				6	7	8	5	10	14	16	11	7	9	7	4	6
Dℓ	4	5	4	4	5		5	2				4	3	4	5	3	4	8	9	4	7	6	8	5
Vdm																								
Ldm																								

RADIO NOISE DATA

Station IBADAN, NIGERIA Lat. 7.4 N Long. 3.9 E Type Recorder ARN-2 Month APRIL 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	141	139	139	141	139	139	135	132	131	133	133	133	133	135	139	143	143	145	145	147	147	145	145	141
D_u	8	11	11	8	9	7	11	13	14	17	12	8	8	8	9	9	12	10	9	7	6	8	8	9
D_ℓ	4	4	3	9	6	8	10	11	12	11	12	13	7	7	7	6	6	7	9	8	9	6	7	5
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	128	126	126	128	126	124	121	116	116	115	116	117	117	120	126	128	130	131	132	132	132	130	130	128
D_u	9	10	11	8	9	9	13	16	18	17	14	12	12	10	8	16	13	11	10	10	8	10	11	8
D_ℓ	6	6	6	8	7	12	22	10	18	17	17	15	18	10	9	6	10	10	8	9	8	6	6	6
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	113	111	112	113	113	106	101	95	97	94	101	99	97	103	107	113	113	115	115	117	115	115	113	113
D_u	11	11	11	10	13	17	20	20	19	13	12	16	12	21	22	19	16	14	14	14	14	13	14	10
D_ℓ	7	5	7	10	10	14	26	13	15	17	17	20	27	14	10	12	10	12	12	11	8	7	7	8
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	93	91	93	93	93	79	73	71	71	73	75	77	79	85	91	90	97	94	96	97	95	93	93	93
D_u	9	10	9	11	9	20	24	26	16	15	19	10	10	8	18	25	18	18	18	15	15	16	9	9
D_ℓ	8	7	10	12	14	19	18	10	19	16	16	20	25	18	12	10	18	10	9	7	6	6	6	6
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	71	69	67	69	67	67	55	45	40	*35	40	41	*48	43	51	55	59	61	69	73	73	73	71	71
D_u	4	4	8	8	8	6	6	16	18		13	12		12	9	19	20	20	8	8	6	6	6	6
D_ℓ	8	5	4	6	5	11	8	10	8		7	10		8	15	12	16	10	4	6	4	4	4	6
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	61	61	61	61	61	60	51	45	39	35	37	37	*40	37	41	47	53	59	63	65	63	65	63	61
D_u	4	4	4	6	5	5	8	10	8	10	7	6		7	7	20	16	10	8	4	4	4	4	6
D_ℓ	2	2	3	3	4	6	8	8	8	8	8	7		6	6	6	6	4	2	6	4	4	4	2
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	45	45	47	47	46	43	43	39	36	33	31	31	31	35	39	41	45	49	47	45	45	45	45	45
D_u	2	2	2	3	5	7	4	6	5	8	7	8	6	8	4	12	11	4	8	6	6	6	6	4
D_ℓ	3	4	4	4	4	2	6	8	9	6	3	4	2	6	4	2	2	2	2	4	4	4	4	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	27	29	29	29	29	29	29	27	23	23	23	23	25	27	29	31	33	31	27	28	27	27	27	27
D_u	6	4	4	4	4	2	2	2	6	2	2	4	4	6	11	13	15	10	17	13	10	10	6	6
D_ℓ	4	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	7	4	4	2	2
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station IBADAN, NIGERIA Lat. 7.4 N Long. 3.9 E Type Recorder ARN-2 Month MAY 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	140	139	137	138	136	134	128	128	126	126	128	127	130	132	136	142	142	142	142	146	144	144	142	140
D_u	4	7	7	6	10	12	18	20	21	21	17	16	12	12	6	6	10	10	10	8	4	6	7	6
D_ℓ	8	9	7	10	8	10	12	20	16	10	11	9	12	14	6	8	6	6	6	6	6	10	7	8
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	126	126	126	126	124	118	117	114	114	114	108	113	120	120	124	129	130	128	130	132	132	130	130	128
D_u	6	6	6	6	10	16	19	20	23	20	26	19	10	14	6	10	11	10	12	10	6	6	6	10
D_ℓ	8	8	12	13	14	14	23	22	25	22	17	13	20	12	8	8	8	4	6	4	6	6	8	8
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	110	110	108	110	106	98	93	90	98	93	84	90	103	106	110	110	113	112	114	116	116	114	114	110
D_u	8	6	12	6	10	18	25	30	28	29	32	26	14	14	8	12	17	20	16	11	11	9	6	6
D_ℓ	12	12	12	14	14	17	19	16	29	25	15	16	25	22	16	12	13	8	8	6	8	8	10	8
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	91	90	93	91	87	75	73	75	71	67	69	81	90	86	91	95	95	94	97	99	95	95	93	93
D_u	6	7	4	10	12	24	30	30	30	39	31	14	14	12	20	12	19	23	17	14	16	10	10	8
D_ℓ	8	11	12	10	10	19	20	20	18	14	14	26	32	23	22	16	16	9	8	10	8	8	6	10
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	70	68	66	66	64	62	50	44	*46	*43	*44	*45	*48	52	51	57	62	60	*72	74	72	72	72	72
D_u	2	4	4	4	6	7	15	21						14	15	15	27	16		17	4	5	4	2
D_ℓ	8	8	7	8	5	11	14	9						19	13	16	17	5		6	5	6	6	8
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	60	60	58	56	56	54	51	42	36	*36	36	*38	*28	39	42	48	52	58	*62	62	62	62	60	61
D_u	2	2	6	8	10	8	7	13	27		18			19	13	10	10	5		2	2	4	4	3
D_ℓ	6	8	4	2	6	8	15	10	4		8			9	8	8	6	4		6	4	4	2	5
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	41	42	43	43	41	40	39	36	*35	33	31	*37	*34	35	39	43	45	48	*51	45	45	43	44	41
D_u	4	3	2	4	2	2	6	8		6	6			4	2	4	4	11		4	5	4	3	4
D_ℓ	2	3	4	6	4	3	6	7		10	6			2	2	2	2	3		4	4	2	5	2
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	26	27	27	26	26	28	28	*26	*24	*24	*24	*27	26	28	30	32	33	30		28	27	26	26	26
D_u	2	1	1	4	3	2	10						4	2	3	6	10	16		11	2	4	4	3
D_ℓ	2	2	2	0	1	2	2						6	6	7	4	5	2		5	3	2	3	3
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station IBADAN, NIGERIA Lat. 7.4 N Long. 3.9 E Type Recorder ARN-2 Month JUNE 19 58

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	139	139	139	139	137	135	130	131	127	*125	121	127	127	131	133	135	139	137	139	141	140	139	141	139
D_u	6	5	4	3	6	6	10	8	14		20	11	14	11	9	6	8	10	6	4	5	6	4	6
D_ℓ	4	8	7	8	6	8	8	10	12		6	10	7	6	4	6	10	6	8	3	3	4	6	4
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	127	127	127	125	125	119	118	117	113	*114	*112	115	117	120	119	123	125	123	127	127	127	127	127	127
D_u	6	4	2	6	6	9	9	10	14			14	12	11	18	12	13	12	5	6	6	6	4	6
D_ℓ	7	5	6	4	9	14	24	21	14			28	20	17	14	14	14	8	9	6	2	4	4	6
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	113	111	111	111	109	105	*101	97	*89	*87	*87	81	92	88	99	105	105	105	108	109	111	111	113	111
D_u	6	6	6	4	6	6		15				32	24	31	14	19	22	14	7	8	4	6	4	6
D_ℓ	11	4	8	10	9	20		26				14	21	12	20	21	20	17	10	4	4	4	8	6
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	94	94	94	92	92	*88	78	*78	*80	*66	*66	58	*58	88	86	92	86	89	94	94	96	94	94	94
D_u	8	7	9	11	10		16					38		19	19	21	28	11	10	6	2	6	6	6
D_ℓ	9	10	9	10	11		24					4		32	29	31	27	12	10	6	4	4	6	6
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	*73	72	71	69	*69		*63	*61	*44	*47	*51	*57	*43	55	*43	*51	53	60	69	75	73	75	75	75
D_u		2	4	6										36			38	30	8	9	16	8	2	1
D_ℓ		5	7	6										22			20	9	6	4	1	4	4	5
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	62	62	60	60	*66	*64	*49	*49	*38	*34	*37	*38	*38	36	38	46	52	58	64	66	66	66	64	62
D_u	3	2	4	4										26	25	21	18	5	4	4	2	1	2	2
D_ℓ	4	5	5	7										8	8	13	8	5	2	4	5	3	4	2
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	43	43	43	45	*53	*41	43	39	*37	*34	*29	*35	*34	33	41	44	49	51	51	47	47	47	49	45
D_u	10	10	11	7			12	12						11	4	5	4	2	4	5	8	7	8	8
D_ℓ	6	8	8	8			6	8						6	11	5	6	2	4	2	4	5	8	7
V_{dm}																								
L_{dm}																								
	20 Mc *																							
F_{am}	26	26	26	26	26	28	30	26	22	24	24	24	28	29	30	32	32	28	26	26	26	26	26	26
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month July 19 58

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					*20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	135	6	4			123	6	4			109	6	2			94	5	7			67	6	2			58	4	2			41	4	7							
01	135	6	4			125	4	6			109	8	6			92	7	6			67	6	3			58	4	5			39	6	4							
02	135	4	4			123	6	8			108	7	7			91	8	8			65	6	4			56	6	6			39	6	5							
03	133	6	2			120	5	5			107	8	8			89	8	10			66	7	5			58	3	6			41	5	9							
04	131	6	2			119	6	4			103	10	6			86	11	11			63	6	6			56	4	3			39	9	2							
05	129	6	4			109	8	6			81	6	8			71	18	6			61	10	4			56	4	6			41	5	4							
06	121	12	4			101	14	16			75	16	16			57	10	2			49	19	12			46	8	4			37	9	5							
07	119	10	8			101	13	22			74	14	15			57	10	6			37	28	4			46	11	4			29	12	6							
08	117	10	10			97	17	19			73	14	12			57	10	2			39	34	6			34	4	10			25	12	4							
09	118	7	14			102	12	22			73	14	10			57	11	4			*37					*34					*25									
10	121	10	10			101	14	16			71	16	10			57	13	4			*37					*32					*24									
11	123	4	8			101	11	12			73	12	8			58	9	7			*37					*30					*28									
12	126	3	4			107	5	10			79	7	13			57	6	4			*35					*34					*27									
13	127	5	6			107	8	12			79	12	10			57	14	4			*33					*30					*28									
14	129	4	6			109	7	10			81	10	10			57	3	7			*35					*28					33	4	6							
15	129	4	4			111	6	9			83	11	10			57	11	2			33	40	2			40	18	8			39	16	4							
16	129	4	4			113	6	7			83	15	5			59	15	4			*39					48	8	8			45	4	6							
17	129	6	4			111	8	4			87	12	8			69	10	8			46	18	3			54	4	8			47	2	2							
18	131	6	6			119	4	8			91	6	6			89	4	10			61	13	6			62	4	4			47	2	2							
19	135	4	4			123	4	4			107	2	6			93	2	8			69	2	3			64	4	4			45	4	4							
20	136	3	3			123	2	4			107	2	4			93	4	6			69	6	4			64	3	6			45	4	4							
21	135	4	2			123	4	4			109	4	6			93	4	4			71	7	6			62	3	3			45	9	7							
22	137	4	4			125	4	4			109	6	6			93	4	4			71	2	6			62	2	4			43	7	5							
23	137	2	4			125	2	6			109	6	4			93	6	4			69	3	5			60	4	2			41	6	5							

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

*No data for 20 Mc

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month August 19 58

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	136	4	4			121	4	5			108	5	8			90	7	8			68	6	4			59	4	2			44	5	2			27	10	2		
01	134	5	4			121	5	7			106	8	6			90	6	9			68	4	6			59	4	4			44	4	2			27	8	2		
02	134	5	7			121	5	6			106	6	7			88	6	8			64	6	6			57	6	2			46	3	4			28	9	3		
03	134	4	6			119	6	6			104	6	8			90	4	13			66	20	4			57	4	4			46	2	5			29	6	4		
04	132	6	7			118	8	6			102	8	8			86	6	9			64	6	6			57	4	4			46	2	4			31	9	6		
05	132	6	10			113	7	12			84	14	12			70	7	4			62	22	8			57	4	6			46	6	6			31	6	4		
06	124	7	5			103	8	8			76	10	11			56	10	8			51	31	7			45	12	4			40	4	6			28	11	1		
07	123	6	15			101	8	13			74	10	16			58	6	8			44	32	8			43	8	8			36	10	8			27	6	4		
08	122	5	7			99	12	16			72	14	9			55	5	5			43	45	9			33	24	4			29	7	6			25	10	4		
09	122	6	10			99	12	10			72	12	6			57	3	5			44	42	6			33	13	4			30	12	8			25	6	4		
10	124	4	10			105	6	14			74	10	8			58	6	6			38	27	2			34	10	4			28	8	6			27	8	8		
11	124	5	3			105	7	10			76	16	10			56	7	6			42	38	6			32	10	5			30	11	7			27	6	4		
12	127	5	4			107	8	6			80	15	8			58	12	6			42	30	6			39	16	11			32	8	6			27	4	4		
13	130	5	4			111	7	10			83	14	6			60	13	8			42	26	8			31	12	4			34	2	4			28	7	3		
14	132	4	4			113	5	7			88	12	8			64	13	7			42	29	8			35	15	8			38	3	7			29	6	2		
15	134	4	5			115	6	7			92	6	10			67	14	10			46	34	11			39	11	12			41	4	3			31	12	2		
16	132	6	2			117	6	8			93	10	11			68	11	11			46	33	10			47	8	6			46	4	4			33	9	2		
17	134	4	4			117	6	8			94	7	9			78	7	14			54	12	7			53	6	4			48	4	2			33	8	4		
18	133	5	5			117	7	4			102	4	6			88	6	10			66	17	9			65	3	6			50	3	4			27	6	3		
19	136	2	4			123	2	6			104	5	5			90	4	6			70	4	2			63	2	4			46	3	2			27	4	4		
20	136	2	3			121	4	3			106	4	7			92	2	7			70	5	3			63	4	2			46	4	2			27	4	4		
21	136	4	5			121	4	4			106	4	6			90	5	5			72	6	4			63	2	2			46	3	4			27	8	4		
22	136	4	4			121	5	4			106	6	5			90	6	6			71	3	3			61	4	4			44	4	2			27	4	4		
23	136	4	4			121	6	4			108	3	8			92	4	7			70	6	6			61	2	4			44	4	2			27	4	4		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month September 1958

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	138	2	4			125	6	4			107	10	2			91	7	4			72	8	6			61	2	6			46	6	2			34	8	8		
01	138	6	6			125	3	6			109	4	6			93	7	8			68	12	4			61	6	4			46	5	4			32	10	6		
02	138	2	6			123	4	6			107	7	6			91	6	10			68	10	4			59	6	4			46	5	4			32	9	4		
03	136	5	4			123	4	8			107	4	8			89	7	9			68	17	6			59	3	6			46	2	4			31	7	3		
04	136	4	4			123	4	10			105	6	8			87	6	12			66	14	4			59	6	4			46	5	4			29	11	3		
05	134	6	6			115	8	12			91	8	10			71	13	17			64	17	9			57	6	5			44	9	4			32	11	4		
06	128	4	8			109	7	15			79	8	14			61	23	10			58	22	12			50	12	8			40	6	5			30	5	1		
07	126	7	6			103	13	12			80	8	17			63	9	12			58	24	20			49	15	12			36	9	8			30	8	3		
08	124	7	7			105	14	13			79	9	11			58	18	9			54	33	18			35	12	4			30	9	5			28	10	4		
09	126	7	4			104	14	9			75	24	8			57	16	6			54	27	18			33	16	2			28	10	4			28	10	5		
10	126	6	6			105	12	10			77	21	10			57	18	6			54	33	19			31	16	8			26	7	6			26	11	6		
11	130	4	7			110	10	12			88	8	17			60	23	9			48	23	13			31	14	6			30	6	10			30	9	6		
12	134	4	8			117	6	12			91	18	15			70	24	14			*56					45	8	6			36	14	7			30	25	2		
13	136	5	6			119	13	8			97	20	8			75	24	13			59	23	20			33	18	6			36	5	8			32	14	4		
14	138	9	4			123	9	7			103	13	9			80	22	12			54	19	17			40	18	7			40	5	7			34	5	3		
15	140	6	4			125	10	7			105	16	8			81	20	9			58	30	16			45	11	9			44	2	3			38	16	5		
16	140	5	4			124	7	6			105	14	11			81	18	16			67	16	22			53	7	6			48	3	2			36	11	2		
17	140	6	4			125	8	8			107	10	16			91	9	14			59	18	10			59	6	5			49	3	2			34	26	4		
18	142	4	6			126	6	5			109	7	6			91	9	3			71	14	3			63	4	3			46	3	2			26	18	2		
19	142	3	4			127	6	4			111	6	6			91	6	2			72	6	2			63	5	2			46	3	4			28	12	2		
20	140	4	2			127	5	4			109	9	4			93	7	6			74	7	4			65	4	5			46	5	2			30	3	4		
21	140	4	6			125	8	4			107	12	4			93	6	6			72	9	5			64	3	2			46	2	2			30	2	2		
22	140	6	6			125	8	4			109	9	4			93	8	6			72	17	7			61	7	2			46	4	2			30	4	4		
23	138	8	2			125	7	4			109	12	6			91	11	4			70	9	7			61	3	4			46	4	4			32	6	6		

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

MONTH-HOUR VALUES OF RADIO NOISE Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month October 19 58

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	138	8	4			123	10	4			108	12	4			89	20	4			70	6	6			62	2	2			47	2	4			34	6	4		
01	136	10	4			123	10	4			108	12	4			89	12	6			68	12	4			62	4	4			45	4	2			34	6	4		
02	138	2	6			123	6	8			106	8	6			87	10	8			68	12	4			60	4	2			45	6	2			32	4	2		
03	136	4	6			119	6	8			104	4	6			87	10	8			66	12	6			58	4	2			45	4	4			28	8	2		
04	134	8	6			117	10	6			102	10	8			84	12	11			66	17	6			58	2	4			43	4	4			28	6	2		
05	132	6	6			111	14	8			89	16	13			62	23	9			59	11	7			55	5	7			40	5	3			28	6	2		
06	127	5	5			98	17	15			73	12	7			59	29	8			46	20	6			46	10	8			35	6	2			30	9	4		
07	120	12	4			93	22	12			73	26	7			59	19	8			44	40	8			44	8	10			31	14	8			28	12	4		
08	117	14	5			87	12	10			72	28	6			57	20	6			52	38	16			33	17	7			27	6	4			27	11	5		
09	118	14	6			93	20	12			74	18	10			57	18	4			44	44	10			34	14	10			27	10	6			28	8	8		
10	122	6	8			93	20	6			74	20	10			59	22	8			44	38	10			32	14	6			27	4	6			28	6	8		
11	126	6	8			105	8	16			80	17	12			65	18	10			58	30	24			36	16	10			31	11	4			30	6	6		
12	128	6	6			109	12	14			94	14	21			73	14	12			59	25	19			48	8	12			32	7	7			30	10	4		
13	134	2	8			120	7	16			102	21	21			87	18	20			59	29	19			38	10	12			37	4	10			36	4	6		
14	138	10	8			124	11	9			109	13	13			89	18	19			64	20	24			44	18	8			41	10	4			34	8	0		
15	142	6	6			127	6	7			110	12	8			92	18	16			68	20	26			52	4	14			45	2	4			36	5	6		
16	142	7	5			127	13	6			110	18	8			91	23	18			70	16	24			55	10	6			47	2	4			34	12	2		
17	142	11	5			127	12	6			112	12	10			93	25	10			70	19	13			62	9	5			49	6	2			31	17	5		
18	145	11	7			129	14	6			112	10	8			94	15	7			72	12	4			64	10	4			46	5	5			28	9	4		
19	142	6	2			127	8	4			110	12	6			91	8	4			72	10	2			64	6	4			45	4	4			28	6	2		
20	140	8	2			127	8	4			112	10	8			93	4	6			72	10	2			64	2	4			47	4	4			32	2	4		
21	140	10	4			125	12	4			108	12	4			93	8	8			72	12	2			64	4	2			47	8	4			30	6	2		
22	140	8	4			125	8	4			110	10	4			89	12	4			72	14	6			64	2	4			47	4	4			30	6	2		
23	140	8	4			123	12	4			110	12	8			89	14	6			70	8	6			62	2	4			47	2	4			30	4	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month November 19 58

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	136	8	7			121	10	7			107	7	11			90	8	6			65	6	6			60	5	5			44	4	4			30	4	2		
01	137	4	6			122	4	7			107	6	10			88	7	5			65	7	6			59	4	4			44	4	2			32	2	4		
02	134	6	6			119	7	6			106	5	8			88	7	5			63	6	3			61	2	8			43	5	3			30	4	2		
03	134	4	6			119	4	6			103	7	5			88	6	6			63	4	4			59	4	6			44	2	4			30	2	2		
04	132	6	2			117	8	4			101	8	6			84	10	9			63	7	8			57	8	6			42	4	4			26	4	0		
05	133	5	7			113	8	6			90	11	5			70	18	14			57	9	13			57	4	8			40	6	4			30	4	4		
06	128	8	8			107	14	10			81	14	14			62	15	12			47	10	8			54	5	13			38	2	4			30	6	2		
07	124	12	8			106	16	11			80	22	13			64	15	11			39	11	5			43	8	16			34	6	4			32	10	6		
08	125	11	11			106	16	13			81	24	12			62	24	12			37	15	4			35	12	10			32	8	12			28	10	2		
09	126	10	8			109	20	16			79	32	12			66	19	16			38	16	6			33	10	6			30	4	10			28	10	4		
10	124	11	7			104	23	9			79	34	14			64	25	13			43	14	8			33	12	10			30	4	7			26	12	2		
11	128	12	9			111	18	14			89	18	20			70	24	16			*40					36	19	6			28	10	6			26	7	2		
12	126	16	3			110	18	11			91	19	17			75	20	20			*41					45	16	19			32	11	8			30	6	2		
13	134	8	8			121	8	18			101	14	18			73	29	10			46	14	12			39	12	10			35	7	11			32	6	0		
14	138	10	6			125	10	10			109	8	18			90	15	11			51	10	9			45	10	10			40	6	8			34	12	2		
15	144	6	8			129	9	10			116	9	17			94	16	9			61	12	12			53	8	6			44	4	6			36	6	4		
16	145	9	7			131	10	9			117	10	14			98	14	15			63	8	7			59	6	4			48	4	4			36	10	6		
17	146	6	8			133	8	10			117	10	12			98	12	12			67	11	6			63	5	4			48	4	3			32	14	6		
18	148	4	12			135	4	12			117	10	14			98	14	12			71	6	17			65	4	9			46	6	3			30	15	6		
19	143	11	7			129	12	8			120	7	17			94	16	10			71	10	9			63	8	8			44	8	4			30	14	4		
20	142	8	8			126	9	7			111	10	10			93	16	9			71	5	9			63	4	8			46	6	6			30	10	2		
21	140	10	8			127	8	10			111	20	14			94	22	8			71	4	9			64	3	7			46	8	6			30	6	2		
22	139	10	7			126	9	11			111	8	14			92	8	6			69	12	6			61	4	6			46	10	6			30	6	2		
23	138	8	8			125	8	8			109	8	10			90	8	6			67	4	3			61	4	8			44	14	4			31	3	3		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month **December 1958

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	131	10	4			127	8	10			98	14	10			84	12	16			60	9	19			55	8	14			39	8	10			27	10	3		
01	131	9	4			127	12	7			102	12	14			86	14	12			60	8	12			55	8	12			42	2	12			27	10	4		
02	133	7	7			127	10	7			100	12	10			84	14	10			60	9	16			55	7	14			39	7	10			27	11	2		
03	131	12	4			127	10	8			98	12	10			84	14	16			60	9	15			55	6	12			42	6	10			29	8	5		
04	131	9	5			127	10	7			100	12	16			84	6	16			61	14	16			57	5	14			42	9	10			27	7	4		
05	131	8	7			125	10	8			94	14	10			76	20	14			56	11	15			57	6	14			39	8	11			27	14	4		
06	127	12	8			121	14	12			89	15	21			69	19	17			57	18	14			52	7	13			37	7	9			29	6	4		
07	126	14	16			122	15	17			88	16	21			66	18	12			56	16	18			46	14	16			33	8	11			28	12	3		
08	126	15	17			123	10	19			87	16	20			64	15	12			40	21	14			40	12	13			29	23	9			29	.2	6		
09	120	15	9			117	16	14			80	17	18			57	19	13			42	23	16			33	6	10			29	14	12			29	12	6		
10	123	11	9			117	6	14			78	16	12			62	8	10			*42					*35					*27					*27				
11	129	14	15			115	14	12			76	26	10			64	22	14			*42					*36					*35					*32				
12	125	14	8			117	14	13			86	18	18			63	18	14			54	46	18			48	15	19			46	14	22			29	23	6		
13	129	6	8			116	15	10			82	25	12			64	28	7			45	38	10			35	23	8			29	6	6			31	9	7		
14	133	10	12			125	10	15			95	15	23			74	20	20			50	16	17			37	19	6			39	9	11			30	8	5		
15	133	8	12			128	11	17			98	10	24			78	22	24			54	12	19			45	16	11			37	11	6			31	8	4		
16	133	6	12			133	10	23			102	10	26			84	12	30			49	22	6			55	10	10			43	7	5			31	2	4		
17	135	4	14			131	8	17			104	8	16			88	12	8			62	11	7			57	8	6			45	9	2			29	3	4		
18	135	8	12			133	10	11			105	7	13			88	8	8			64	6	9			61	7	6			45	7	4			27	6	5		
19	134	8	7			131	8	11			104	8	12			88	8	10			67	4	10			59	8	9			43	1	12			27	11	6		
20	133	5	7			130	11	8			101	11	11			87	9	9			65	9	19			62	6	8			45	9	11			29	4	6		
21	133	6	6			129	6	11			100	8	12			86	10	15			72	8	17			59	6	15			44	11	12			29	11	6		
22	131	9	6			128	7	7			98	12	8			87	9	11			65	21	20			55	9	6			42	5	10			29	11	6		
23	131	9	4			127	12	8			98	12	6			84	12	8			62	11	17			58	6	12			43	4	11			29	8	6		

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

**Due to operational difficulties, calibrations were made infrequently and gain changes may have occurred between calibration points.

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month**January 19 59

Hour (LST)	Frequency (Mc)																																							
	* .051					* .113					* .246					* .545					* 2.5					* 5					* 10					* 20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	141					129					105					96					63					53					41					33				
01	139					127					105					96					61					50					42					33				
02	139					124					103					96					61					54					42					33				
03	135					122					101					94					63					52					40					31				
04	137					122					101					92					57					51					41					27				
05	137					120					98					90					59					60					40					27				
06	133					122					96					80					53					56					38					32				
07	137					120					98					81					49					52					35					35				
08	137					122					95					82					54					36					30					34				
09	136					125					91					74										34					30					29				
10	127					112					96					78					39					30					28					28				
11	123					106					83					64					45					34					26					33				
12	127					108					86					71															22					31				
13	127					116					85					76					47					47					30					31				
14	133					114					87					74					39					30					33					21				
15	131					114					86					72					40					42					36					33				
16	136					122					86					66					51					54					40					36				
17	137					122					98					88					61					60					46					37				
18	143					127					104					95					65					62					47					31				
19	141					126					107					92					67					60					46					33				
20	139					126					104					94					59					58					42					31				
21	141					124					103					92					57					58					44					37				
22	142					128					105					92					59					52					42					35				
23	138					126					104					90					63					54					44					33				

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

**Due to operational difficulties, calibrations were made infrequently and gain changes may have occurred between calibration points.

RADIO NOISE DATA

Station KEKAHA (KAUAI), T.H. Lat. 22.0N Long. 159.7W Type Recorder ARN-2 Month APRIL 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	13 kc																							
F_{am}	155	155	155	155	155	155	155	153	152	151	151	151	150	149	147	147	147	147	147	147	149	151	153	153
D_u	0	2	2	2	2	2	2	2	3	4	2	2	3	2	4	4	4	2	2	2	2	2	2	2
D_ℓ	2	2	2	2	2	2	2	2	2	2	2	4	3	2	2	2	4	4	4	2	4	2	2	2
V_{dm}																								
L_{dm}																								
	51 kc																							
F_{am}	126	128	130	130	130	130	124	118	102	105	106	106	108	106	108	106	104	100	100	110	114	116	120	124
D_u	4	4	2	2	4	2	8	5	10	9	6	7	6	8	3	4	4	4	4	4	4	6	4	2
D_ℓ	2	4	2	2	2	2	2	4	4	5	4	6	8	4	8	6	6	4	4	4	4	4	4	4
V_{dm}																								
L_{dm}																								
	160 kc																							
F_{am}	99	100	101	103	102	101	89	69	69	71	72	71	67	62	63	63	61	63	71	83	87	91	94	97
D_u	4	5	4	4	5	6	8	8	12	10	10	6	5	9	10	8	8	6	4	4	8	4	5	4
D_ℓ	6	7	4	6	5	4	4	6	8	8	13	11	10	5	6	6	4	6	6	6	4	8	7	8
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	75	77	77	77	75	75	61	57	57	57	57	57	57	55	57	57	57	57	61	69	71	73	73	75
D_u	10	6	4	4	10	6	8	4	4	4	4	4	6	8	6	8	4	6	4	8	6	4	6	4
D_ℓ	6	6	8	6	5	6	4	2	4	4	4	4	6	2	4	4	4	2	6	8	4	4	2	6
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	49	51	51	51	52	51	49	41	37	37	37	35	35	35	35	35	35	35	37	41	45	47	49	49
D_u	6	5	7	4	7	4	8	3	4	4	4	6	6	4	4	8	8	7	5	5	6	9	7	4
D_ℓ	2	4	5	6	5	4	4	5	8	4	4	2	4	4	4	3	2	3	6	5	4	5	7	5
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	54	56	59	62	52	50	48	40	34	24	27	*26	24	26	25	26	30	36	44	48	48	50	52	53
D_u	6	9	10	4	10	2	4	2	2	10	3		6	8	5	6	4	4	3	4	3	1	4	6
D_ℓ	6	8	7	8	9	6	7	5	2	4	5		2	4	3	4	4	5	10	6	7	8	8	4
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	41	42	41	39	39	40	41	37	27	15	19	*21	*17	17	19	21	25	35	39	39	41	42	43	42
D_u	4	3	2	4	4	3	2	2	8	10	6			8	4	4	8	5	3	4	2	2	0	3
D_ℓ	4	5	5	5	4	6	5	6	4	2	4			4	5	4	4	7	5	3	6	5	8	8
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	33	31	28	29	27	25	27	23	21	19	15	15	15	17	19	21	23	25	25	25	27	28	28	31
D_u	12	14	15	10	15	14	0	4	5	2	6	2	12	7	2	3	2	2	3	4	4	7	14	16
D_ℓ	8	6	3	4	2	0	2	0	2	2	0	2	2	3	3	4	3	3	2	2	3	3	3	6
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station KEKAHA (KAUAI) T.H. Lat. 22.0N Long. 159.7W Type Recorder ARN-2 Month MAY 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	13 kc																							
F_{om}	155	155	155	155	155	155	155	151	151	149	149	149	149	149	149	147	149	147	147	149	149	151	153	153
D_u	2	2	2	3	3	3	2	3	3	4	4	4	2	2	2	4	2	4	4	2	2	2	2	3
D_ℓ	2	1	2	2	4	2	4	2	2	1	2	2	2	4	2	2	4	3	2	4	2	2	2	2
V_{dm}																								
L_{dm}																								
	51 kc																							
F_{om}	126	126	126	128	128	128	118	112	104	104	106	108	108	106	106	104	103	102	102	112	116	118	120	122
D_u	2	4	6	4	4	4	6	6	8	8	6	6	6	6	12	4	8	6	6	2	5	6	4	4
D_ℓ	5	3	3	4	4	4	4	4	4	4	6	4	4	2	4	4	5	6	5	6	3	2	2	2
V_{dm}																								
L_{dm}																								
	160 kc																							
F_{am}	96	96	98	98	98	94	76	62	62	65	62	64	62	62	62	60	60	60	66	82	90	90	92	94
D_u	6	8	8	6	7	8	4	12	12	20	14	14	20	6	18	10	10	12	9	4	4	8	6	8
D_ℓ	6	7	8	7	6	6	7	4	4	6	4	6	6	6	6	4	4	4	8	6	7	4	4	6
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	72	72	72	72	70	68	58	56	56	56	54	54	52	53	52	54	54	54	56	66	68	70	72	70
D_u	8	10	9	11	8	6	6	2	2	2	4	2	4	3	4	2	2	4	3	6	10	7	9	12
D_ℓ	5	6	5	6	4	4	5	4	4	4	2	4	2	3	2	2	2	2	2	5	6	5	6	4
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	50	51	50	50	50	50	46	39	36	34	34	37	32	32	32	34	34	34	33	40	44	46	48	50
D_u	6	8	10	6	7	5	6	8	2	4	6	11	4	4	4	2	2	2	4	12	8	5	4	3
D_ℓ	5	4	5	5	5	5	5	3	4	2	2	6	2	2	2	4	2	4	3	4	4	3	4	5
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	57	60	62	60	51	49	45	41	33	23	25	23	23	23	24	25	29	35	43	47	51	50	51	53
D_u	6	5	5	5	14	4	3	3	4	8	8	6	6	6	5	5	4	4	3	4	2	3	3	5
D_ℓ	5	7	8	6	6	4	3	4	7	5	4	2	3	4	3	4	4	4	4	2	6	3	7	6
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	41	42	41	40	39	39	39	31	23	16	17	15	13	15	15	17	23	33	39	41	41	41	43	41
D_u	4	2	2	2	2	4	4	5	5	8	8	6	7	4	6	7	8	4	4	4	3	3	2	4
D_ℓ	3	1	4	3	2	3	4	2	2	3	6	4	2	4	4	5	4	4	2	4	3	3	5	2
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	27	27	25	25	25	25	25	23	21	20	17	17	17	19	21	23	23	25	27	25	27	25	27	27
D_u	11	11	9	8	7	3	4	3	3	4	4	5	4	4	2	2	2	4	2	3	2	5	4	6
D_ℓ	2	2	2	1	2	1	2	1	2	1	0	2	2	2	3	2	0	2	2	2	2	1	2	2
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station KEKAHA (KAUAI), T.H. Lat. 22 N Long. 159.7 W Type Recorder ARN-2 Month JUNE 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	13 Kc																							
Fam	154	154	154	154	154	154	152	150	150	150	150	150	150	150	150	148	148	148	146	148	148	150	150	152
Du	0	2	2	2	2	0	2	2	2	2	2	2	2	2	0	2	2	2	4	0	2	2	2	2
Dℓ	2	2	2	2	4	4	2	2	2	2	2	2	2	2	2	2	2	4	0	4	2	2	2	2
Vdm																								
Ldm																								
	51 kc																							
Fam	126	126	128	128	128	126	120	114	108	106	108	110	112	110	109	108	106	104	104	110	118	120	122	124
Du	2	2	4	2	2	2	4	2	4	4	5	6	3	4	5	4	6	8	4	3	3	4	2	2
Dℓ	2	4	4	4	4	2	4	4	5	2	2	4	4	2	3	4	6	4	2	4	6	4	4	5
Vdm																								
Ldm																								
	160 kc																							
Fam	97	97	97	98	100	98	76	59	59	61	61	61	60	61	59	58	59	57	65	83	89	93	93	95
Du	4	4	6	5	5	7	5	8	9	16	14	10	8	8	6	5	4	6	6	5	6	6	7	4
Dℓ	2	4	4	5	7	9	7	2	4	4	6	4	3	4	2	3	4	2	4	4	2	4	6	4
Vdm																								
Ldm																								
	545 kc																							
Fam	68	72	72	72	70	68	56	56	54	54	54	52	52	50	52	52	52	52	54	64	68	70	68	68
Du	10	2	6	4	10	8	4	2	2	2	2	3	3	4	2	2	4	4	4	6	8	7	4	8
Dℓ	4	10	8	8	4	8	4	6	5	2	2	4	3	2	4	3	4	2	2	6	8	4	4	6
Vdm																								
Ldm																								
	2.5 Mc																							
Fam	52	52	52	52	52	52	48	38	36	36	36	34	34	34	34	32	34	34	38	42	50	52	52	52
Du	6	6	4	4	4	6	6	8	2	4	5	6	2	6	9	8	6	9	6	5	6	3	4	4
Dℓ	4	4	4	4	4	6	4	2	4	5	4	2	4	6	4	2	4	4	6	5	8	6	4	2
Vdm																								
Ldm																								
	5 Mc																							
Fam	56	58	58	58	50	50	44	40	30	24	24	24	22	22	24	24	28	34	40	48	50	50	50	52
Du	2	6	9	8	15	2	4	2	4	5	6	8	4	4	2	4	2	4	4	2	1	2	3	2
Dℓ	4	6	6	5	3	4	2	10	4	2	2	4	2	2	4	4	6	9	5	3	4	3	2	3
Vdm																								
Ldm																								
	10 Mc																							
Fam	44	42	42	40	40	38	38	32	24	18	18	16	16	16	16	18	22	34	40	44	42	42	42	42
Du	1	2	2	2	2	4	2	2	4	4	4	6	4	4	4	6	6	2	2	2	3	4	4	2
Dℓ	4	2	2	2	2	2	1	3	3	4	4	4	4	2	4	4	8	5	4	4	2	2	2	6
Vdm																								
Ldm																								
	20 Mc																							
Fam	29	31	27	25	25	25	25	23	23	21	21	19	19	19	21	23	25	27	27	25	25	27	27	27
Du	6	6	6	8	6	7	7	10	7	4	4	2	4	4	2	0	4	3	2	2	4	5	6	12
Dℓ	4	6	4	2	2	2	2	1	2	2	3	2	0	2	4	2	4	4	3	3	2	4	3	4
Vdm																								
Ldm																								

RADIO NOISE DATA

Station KEKAHA, (KAUAI) T.H. Lat. 22 N Long. 159.7 W Type Recorder ARN-2 Month JULY 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	13 kc																							
F_{am}	156	156	156	156	156	155	156	152	150	150	150	152	152	152	152	152	150	150	150	150	150	152	152	154
D_u	0	2	2	4	4	3	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
D_ℓ	2	2	2	2	2	3	2	2	4	2	4	2	2	2	0	0	2	2	1	1	2	2	2	2
V_{dm}	9.0	9.5	10.0	11.0	12.5	12.5	12.0	12.0	11.0	10.0	8.5	8.5	8.0	8.0	8.0	9.0	10.0	10.0	9.5	8.0	7.0	7.0	7.0	7.0
L_{dm}	14.0	15.5	15.5	19.0	18.5	20.5	22.0	19.5	18.0	16.0	15.0	14.0	13.0	13.0	13.0	15.0	15.0	17.0	15.0	13.5	11.5	13.0	10.5	12.0
	51 kc																							
F_{am}	126	128	128	128	129	130	122	116	108	108	111	112	114	112	112	112	108	106	107	112	120	122	124	124
D_u	2	3	2	4	4	6	4	4	4	4	5	2	4	2	4	4	3	2	3	4	4	4	4	2
D_ℓ	4	4	4	5	4	4	4	3	4	6	7	5	5	5	4	4	8	8	7	3	2	4	4	5
V_{dm}	11.0	10.0	12.0	12.0	13.0	12.5	13.5	12.0	10.0	9.0	9.0	9.5	8.0	8.0	7.5	7.0	10.0	10.0	7.5	7.5	7.0	8.5	9.0	10.0
L_{dm}	17.0	16.5	17.5	21.0	21.0	21.5	21.0	20.0	16.0	15.5	14.0	15.0	13.5	15.5	14.5	15.0	16.0	14.0	14.5	12.0	12.5	13.0	14.5	15.0
	160 kc																							
F_{am}	98	98	98	98	100	98	80	60	60	62	62	60	61	60	60	58	58	58	66	86	92	96	96	97
D_u	5	6	6	5	8	8	9	4	4	6	6	4	5	4	4	2	4	3	3	7	5	6	5	5
D_ℓ	8	8	8	8	6	7	9	12	9	11	13	12	9	11	11	7	6	5	11	4	6	4	7	6
V_{dm}	9.5	115	11.5	14.0		12.0		7.0							11.0	5.0	5.0	5.0	5.5		7.5	9.0	8.0	8.5
L_{dm}	12.0	17.5	18.5	21.0		19.0		9.0							16.5	10.0	10.5	7.0	7.5		12.0	16.5	14.5	12.5
	545 kc																							
F_{am}	72	70	72	72	72	68	54	54	54	56	54	54	54	54	52	54	52	56	56	64	65	70	70	70
D_u	8	4	9	8	7	6	2	2	4	3	2	4	4	6	2	2	1	2	4	4	4	6	4	6
D_ℓ	11	10	12	9	8	11	4	4	4	2	4	6	4	2	4	2	4	2	5	10	9	5	7	9
V_{dm}	11.5	12.5		12.5		11.0		3.5		4.5	3.0	3.0	4.5	3.0	3.0	3.5		4.0	3.5	4.5	10.5		8.5	13.5
L_{dm}	16.5	19.0		22.5		18.0		70		6.0	5.0	5.5	7.5	9.0	4.0	5.5		7.0	6.0	9.5	21.0		12.0	18.0
	2.5 Mc																							
F_{am}	53	53	53	53	51	53	49	37	35	33	33	33	33	33	33	33	32	33	35	39	47	51	51	53
D_u	4	4	6	4	2	4	4	2	4	2	3	3	3	2	4	3	3	3	4	3	4	5	4	4
D_ℓ	6	8	6	6	6	5	4	6	2	4	2	5	4	6	6	6	6	9	11	7	4	3	5	4
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	54	56	58	60	52	52	48	40	34	26	28	27	26	26	26	28	32	36	42	50	52	52	52	52
D_u	2	3	2	5	4	4	3	6	4	5	5	3	3	4	4	4	4	4	5	2	3	4	2	2
D_ℓ	6	7	8	5	13	1	3	4	5	5	4	6	8	4	4	4	2	4	4	2	2	2	2	3
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	43	43	41	39	39	39	39	33	27	19	18	17	19	19	19	21	25	35	41	43	43	43	43	43
D_u	2	4	2	2	3	2	2	3	4	4	4	4	4	4	4	8	6	7	3	2	2	5	2	3
D_ℓ	4	2	4	5	3	8	10	11	10	6	8	12	2	2	4	4	3	5	2	2	2	2	2	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	29	27	27	25	25	25	25	23	23	21	21	21	19	21	21	23	25	27	27	27	27	27	27	29
D_u	4	2	4	2	2	2	2	0	4	2	2	4	2	4	4	2	3	4	2	2	3	2	4	4
D_ℓ	19	14	8	5	2	2	3	3	1	6	2	2	4	2	2	2	5	4	6	7	8	9	8	12
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station KEKAHA (KAUAI), T.H. Lat. 22 N Long. 159.7 W Type Recorder ARN-2 Month AUGUST 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	13 kc																							
F_{am}	154	154	154	154	154	156	156	154	152	150	152	152	152	152	152	150	150	150	150	150	150	152	152	154
D_u	4	4	4	4	6	3	4	4	4	5	3	4	2	2	2	4	4	4	3	4	4	3	4	2
D_ℓ	2	2	1	3	2	5	4	4	4	2	2	4	2	2	4	2	4	4	6	4	2	4	2	4
V_{dm}	8.5	9.0	10.5	11.0	12.0	12.0	13.0	12.0	11.0	11.0	9.0	9.0	8.5	8.0	8.5	8.0	10.5	10.5	10.0	9.0	8.5	9.0	9.5	8.5
L_{dm}	14.5	15.0	16.5	17.5	18.5	19.0	20.0	18.5	18.0	17.0	15.0	14.5	13.5	13.5	14.0	13.5	15.5	17.0	16.5	15.0	14.0	14.5	15.0	13.5
	51 kc																							
F_{am}	119	119	120	123	121	121	117	117	117	117	117	117	117	117	115	115	113	113	113	115	116	119	119	121
D_u	8	10	9	6	6	6	10	6	8	6	6	6	6	4	5	4	8	7	7	8	7	6	5	4
D_ℓ	4	6	5	8	8	6	6	6	8	6	4	4	2	4	2	2	4	3	5	4	6	6	6	8
V_{dm}	130	13.5	13.5	14.0	14.0	15.0	15.0	14.0	14.0	14.0	9.5	10.5	7.5	8.5	8.0	9.0	8.0	9.0	8.0	7.0	9.5	10.5	10.0	14.0
L_{dm}	19.0	20.0	19.0	21.0	21.0	22.0	220	21.0	21.0	20.0	16.0	16.0	12.5	14.0	13.5	14.0	13.0	15.0	14.0	12.5	15.0	16.0	15.5	20.5
	160 kc																							
F_{am}	86	84	88	88	88	88	80	74	69	69	70	70	71	70	66	68	65	66	68	76	82	80	84	86
D_u	13	16	13	14	13	10	14	22	17	15	20	14	13	12	18	12	11	12	14	15	13	23	11	14
D_ℓ	13	10	10	13	13	14	8	13	11	11	10	8	9	12	8	10	7	7	6	6	11	6	12	12
V_{dm}	15.0	13.0	14.0	18.5	16.0	14.5	16.0	15.5	11.5	11.5	9.0	7.0	16.0	13.5	7.0	6.0	5.5	8.0	5.0	6.5	7.0	15.0	13.5	12.0
L_{dm}	21.0	19.0	21.0	26.0	24.0	21.5	24.5	21.0	145	16.0	13.5	9.5	27.0	20.0	9.0	8.5	7.0	10.0	8.5	11.0	11.0	20.0	18.0	17.5
	545 kc																							
F_{am}	61	63	65	67	65	65	55	55	55	57	55	55	55	55	55	55	55	57	55	61	61	63	63	63
D_u	19	18	15	20	12	12	8	30	3	6	8	6	6	4	4	6	5	3	6	15	19	12	14	17
D_ℓ	7	10	12	12	13	11	2	4	3	4	4	4	4	4	4	2	4	4	2	4	4	4	5	6
V_{dm}	8.0	10.0	7.5	7.0	13.0	7.0	5.0	4.5	3.5	4.0	3.0	3.0	4.0	4.0	3.0	3.0	3.5	3.0	3.0	2.5	3.5	5.0	4.5	6.0
L_{dm}	10.5	14.5	9.5	10.0	18.0	9.0	8.0	7.5	7.5	7.0	7.0	5.5	7.0	7.0	5.0	5.5	6.5	6.0	5.5	5.0	6.0	7.5	6.0	8.0
	2.5 Mc																							
F_{am}	47	47	47	45	47	47	43	37	35	33	33	33	33	33	35	35	35	33	33	37	41	45	47	45
D_u	9	12	10	11	10	12	11	2	3	5	4	6	6	6	2	4	4	7	5	9	15	8	7	9
D_ℓ	18	10	8	5	9	9	6	3	3	2	2	2	2	2	4	6	4	2	2	4	6	9	9	8
V_{dm}	7.5	4.0	5.5	8.5	10.0	4.0	3.0	3.0	3.0	2.5	3.0	2.5	3.0	3.0	2.0	3.0	2.5	2.5	3.0	3.0	4.0	3.5	4.0	3.5
L_{dm}	10.0	7.0	7.5	11.0	14.0	5.0	4.0	4.0	4.0	4.5	5.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0	5.0	6.0	7.0	5.0	7.0	5.5
	5 Mc																							
F_{am}	57	57	61	59	51	49	44	35	29	25	25	25	25	25	25	27	29	33	35	45	47	48	51	53
D_u	4	7	4	4	11	5	5	10	4	5	7	5	4	4	6	2	6	4	6	4	4	5	4	2
D_ℓ	7	8	9	6	10	6	13	8	7	4	4	4	6	4	6	6	4	8	7	12	5	3	6	8
V_{dm}	7.0	8.0	8.5	6.0	7.5	8.0	8.5	8.0	7.0	3.0	3.5	3.0	3.0	3.0	3.5	3.5	3.0	6.0	5.0	6.5	6.0	6.0	5.5	4.0
L_{dm}	11.0	13.0	14.0	13.0	10.5	13.0	12.5	11.5	10.5	5.0	6.0	4.5	5.0	5.5	5.0	6.0	5.0	9.0	8.5	10.0	10.0	11.5	9.0	6.5
	10 Mc																							
F_{am}	43	43	41	40	39	39	37	31	23	19	19	19	19	19	19	21	26	33	39	41	41	43	43	43
D_u	2	2	4	3	3	3	4	4	7	6	2	4	5	6	6	4	12	2	2	4	4	2	2	2
D_ℓ	3	3	3	5	9	7	7	9	6	6	4	4	6	4	4	4	5	10	11	4	2	2	2	2
V_{dm}	5.0	5.5	6.0	7.0	6.5	6.0	6.5	6.5	6.5	3.0	3.5	4.5	3.5	7.0		6.5	5.0	5.0	5.0	5.0	5.0	5.0	4.5	4.5
L_{dm}	8.5	9.5	9.5	10.0	10.0	9.0	10.0	9.5	11.0	4.5	5.0	7.0	5.5	9.0		9.5	8.0	8.5	8.5	8.0	9.0	9.0	8.5	8.5
	20 Mc																							
F_{am}	27	25	25	25	25	23	23	23	21	21	19	19	19	21	21	23	25	25	27	26	27	27	28	27
D_u	7	5	3	2	2	4	4	3	2	4	2	2	2	0	4	2	2	4	4	4	3	6	10	9
D_ℓ	2	2	2	2	2	0	2	3	1	3	2	2	2	4	4	4	4	2	2	3	2	2	4	2
V_{dm}	4.0	4.0	2.5	3.0	2.5	2.5	2.5	3.0	2.0	3.0	3.0	2.0	3.0	2.5	3.0	3.0	3.0	2.5	3.0	3.5	4.0	3.5	3.0	3.0
L_{dm}	6.0	6.0	4.5	5.0	4.0	3.5	4.5	5.0	4.0	5.0	5.0	3.5	5.0	4.5	5.0	5.0	5.0	4.5	5.5	5.5	6.0	6.0	5.5	5.0

GPO 845918 RN-1

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W Month September 19 58

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	2	2	10.5	17.0	129	4	4	12.5	19.5	106	4	8	13.0	21.5	83	8	8	14.0	21.0	55	6	4	4.0	7.5	56	4	4	6.0	10.5	43	2	3	5.0	9.0	27	2	2	3.0	5.0
01	154	2	2	10.0	17.0	131	0	4	12.5	20.0	104	6	6	14.0	22.5	83	6	10	15.0	24.5	55	4	6	5.0	8.0	56	5	7	5.0	9.0	43	1	2	4.5	8.0	25	3	2	2.0	4.0
02	154	2	4	10.5	17.0	129	4	4	12.0	18.5	104	6	4	14.5	22.0	83	8	4	16.0	25.0	55	4	4	6.0	9.5	60	6	5	6.0	12.0	41	2	1	5.0	9.5	25	3	2	2.5	5.0
03	154	2	4	11.5	19.0	131	2	4	13.5	21.0	104	6	4	16.0	24.0	81	8	4	13.5	21.0	55	4	4	5.0	8.5	60	7	4	6.0	12.0	39	2	1	6.0	9.0	25	5	2	2.0	4.0
04	154	2	4	12.0	19.0	131	2	6	12.0	19.5	104	6	6	15.0	22.0	81	8	8	12.0	22.0	55	2	6	5.0	8.0	52	8	5	4.5	9.0	39	2	2	5.0	8.5	23	2	1	2.0	3.0
05	154	2	4	12.0	18.5	129	4	4	11.5	20.0	102	6	8	11.5	19.5	77	6	6	15.0	25.0	53	6	6	5.0	8.0	49	5	3	7.5	12.0	39	7	3	4.5	8.0	23	2	1	1.5	3.0
06	154	2	4	11.0	18.0	127	2	6	11.5	19.5	90	8	6	13.0	21.0	59	4	4	6.0	11.0	51	4	6	6.0	9.0	50	3	3	6.5	10.5	41	5	2	5.0	9.0	23	4	0	2.0	3.5
07	153	1	3	11.0	18.0	119	4	4	10.5	18.5	72	8	7	12.0	16.0	55	4	4	4.5	7.0	39	12	6	2.0	4.0	37	5	2	6.0	10.0	37	3	2	5.0	9.0	25	4	2	3.0	6.0
08	150	2	0	11.0	17.0	114	3	5	11.0	18.5	66	13	10	9.0	11.0	55	2	4	3.0	6.0	35	14	4	1.5	3.5	32	5	6	8.0	11.5	29	2	2	8.0	12.0	23	3	2	3.5	6.5
09	150	2	2	10.0	16.0	111	6	6	13.0	19.5	67	10	9	6.0	8.0	55	8	2	5.0	8.0	33	2	2	3.0	5.0	24	3	7	3.5	5.0	21	4	4	6.0	8.0	21	5	2	2.5	5.5
10	150	2	2	10.5	16.0	113	4	8	9.5	17.0	68	13	10	18.5	22.5	55	4	2	5.0	7.5	33	6	4	3.5	5.5	26	2	5	3.0	5.5	21	3	2	5.5	9.5	19	2	2	3.0	5.0
11	150	2	2	9.0	14.5	111	6	4	10.5	17.0	66	12	8	7.5	9.5	57	2	6	5.0	7.5	33	3	4	2.5	4.5	24	3	5	3.0	5.0	19	4	2	6.0	9.0	17	4	2	3.5	5.5
12	150	2	2	9.5	15.5	113	2	6	11.0	17.0	67	13	7	4.0	6.0	55	4	4	3.5	6.0	31	2	2	3.0	4.5	24	2	5	3.5	5.0	21	0	5	7.0	10.0	17	3	2	2.0	3.5
13	150	2	2	11.0	17.0	112	3	5	7.5	12.5	64	11	4	4.5	7.0	55	4	5	2.5	5.5	33	2	4	3.0	5.0	24	2	4	3.0	5.0	17	7	2	5.5	8.5	19	4	2	2.5	4.5
14	150	0	2	11.5	17.5	111	5	7	8.0	14.0	64	13	4	16.0	22.5	53	4	0	2.0	5.5	31	2	2	2.5	4.0	24	2	2	2.5	3.5	19	10	5	9.0	12.0	21	6	2	2.5	5.0
15	148	3	2	10.5	17.0	109	6	3	10.0	16.0	64	8	6	6.0	8.0	55	4	2	5.5	9.0	31	3	1	2.0	4.0	26	2	4	4.0	6.0	22	8	4	5.5	9.0	23	3	0	2.5	4.5
16	148	2	2	11.5	17.5	107	8	4	10.0	16.0	60	16	4	7.0	9.0	53	2	2	4.0	5.5	31	2	2	2.5	4.0	28	5	5	5.5	8.5	31	2	5	4.5	8.0	25	4	1	2.5	5.0
17	148	2	4	11.0	18.0	105	8	2	11.0	16.5	62	13	4	4.0	7.0	55	3	4	4.0	6.0	31	2	2	2.5	4.5	34	4	6	4.0	7.0	39	4	4	4.0	7.5	27	8	2	3.5	6.0
18	148	2	2	10.5	17.0	109	2	4	9.0	15.0	77	9	6	6.0	10.5	57	4	4	3.0	5.0	33	4	2	2.0	4.0	42	4	7	3.5	6.0	41	2	3	4.0	8.0	29	3	4	3.5	6.0
19	148	2	2	10.0	17.0	115	2	6	8.5	14.0	86	6	4	8.5	14.0	71	8	6	7.5	14.0	41	10	4	3.0	6.0	46	6	4	8.5	13.0	41	4	2	6.0	10.5	27	6	3	3.0	6.0
20	148	4	0	9.5	16.0	117	4	2	10.0	16.5	92	4	7	12.5	21.0	73	6	8	12.0	16.0	49	5	7	3.5	7.0	48	3	2	6.5	11.0	43	2	3	5.0	9.0	27	2	2	3.5	5.5
21	152	2	4	10.0	17.0	119	6	4	12.0	18.5	96	4	10	9.0	15.0	75	8	8	11.0	18.5	52	3	7	4.5	7.5	50	4	2	6.5	10.5	43	2	2	5.0	9.0	25	4	1	2.5	5.0
22	152	2	2	11.0	17.0	123	4	4	11.5	18.5	98	5	7	14.0	20.5	79	6	6	9.5	15.5	53	5	6	4.0	5.5	52	5	6	6.0	10.0	43	4	2	4.5	8.5	27	4	2	3.0	6.0
23	152	4	2	10.0	17.0	125	6	2	14.0	20.0	102	5	9	12.5	20.5	81	6	4	12.0	19.0	55	5	6	5.0	8.5	50	4	2	5.0	9.0	43	2	2	4.5	8.0	25	9	4	3.0	5.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai), T.H. Lat. 22.0 N Long. 159.7 W Month October 19 58

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	157	5	7	12.0	18.5	131	7	7	12.0	20.0	107	12	7	12.5	22.5	85	12	7	*10.0	*20.0	58	8	8	9.0	15.0	58	4	6	*3.5	*7.5	43	3	3	6.0	10.0	27	6	2	3.0	5.0
01	155	8	4	11.0	18.5	131	6	4	11.0	19.0	107	11	4	13.0	22.0	87	10	8	12.0	20.5	56	11	5	*11.5	*17.0	60	7	7	4.0	8.0	41	4	2	6.0	10.0	25	2	2	2.0	3.5
02	155	6	5	12.0	19.0	131	6	4	12.0	20.0	109	8	8	13.0	21.0	87	9	8	12.0	21.0	57	7	7	7.5	13.5	62	7	4	*7.0	*11.5	41	4	4	6.0	10.0	25	2	2	2.0	4.0
03	155	6	6	13.0	20.0	133	3	4	12.0	20.0	109	6	6	13.0	22.0	87	9	9	*10.0	*20.0	57	7	6	5.0	11.0	66	8	7	*6.0	*13.0	39	5	3	4.5	8.5	23	6	0	2.0	3.5
04	155	6	4	12.0	19.0	133	4	4	13.0	20.5	107	8	6	13.5	22.0	83	12	6	11.5	18.0	57	9	7	8.0	14.0	54	14	8	7.5	15.0	37	4	2	5.5	8.0	23	4	2	2.0	3.5
05	155	4	4	12.0	19.0	133	4	4	12.5	19.5	107	6	10	13.0	22.5	81	13	9	9.0	18.5	56	9	5	8.0	13.5	50	7	9	9.0	15.0	37	3	3	4.5	7.5	23	2	0	1.5	3.0
06	155	6	4	12.0	18.0	131	4	4	13.0	20.0	99	10	6	13.0	22.5	69	9	6	10.5	17.0	54	11	3	8.0	14.0	50	6	6	8.0	13.0	39	4	2	*5.0	*9.0	25	2	2	2.0	3.5
07	155	3	4	11.0	18.0	123	6	4	11.0	18.5	81	19	13	*15.5	*26.0	59	19	5	9.5	13.5	49	4	10	*5.0	*10.0	40	7	4	*8.0	*13.0	39	4	3	6.5	10.5	26	7	3	*4.0	*7.0
08	151	7	3	12.0	18.5	115	12	5	13.0	20.5	75	27	14	*13.0	*20.0	58	21	5	6.5	9.0	45	6	14	2.5	5.0	30	7	2	*6.5	*12.5	31	6	4	7.5	13.0	25	8	4	3.5	7.0
09	151	8	4	12.0	18.5	113	6	8	14.0	22.5	81	21	18	10.0	14.0	59	18	5	5.0	9.5	41	6	12	2.5	4.5	22	8	2	2.5	5.0	26	9	5	*11.0	*17.0	22	5	3	*4.0	*7.0
10	151	7	4	12.5	17.5	113	7	8	14.0	20.5	77	23	15	12.0	18.0	56	18	2	6.0	9.0	42	5	13	3.0	5.5	26	4	4	*6.0	*10.0	25	12	4	*9.0	*15.0	23	6	6	4.5	7.5
11	153	4	6	10.5	17.0	115	12	12	13.0	21.0	79	24	20	*14.0	*26.0	60	19	7	6.5	10.0	43	3	6	*3.5	*7.5	24	8	4	*6.0	*9.0	23	10	4	*9.0	*16.0	21	4	4	4.5	7.0
12	153	4	8	12.0	19.0	117	12	14	13.5	21.5	81	25	20	*11.5	*20.0	57	20	2	*12.0	*16.0	39	6	12	3.0	5.0	22	4	4	*5.0	*7.5	21	4	4	*8.5	*12.0	20	3	3	*3.0	*5.0
13	153	4	8	13.0	20.0	115	11	12	14.0	21.5	81	18	18	*8.5	*11.5	61	22	8	5.5	9.0	37	10	8	*3.0	*5.0	24	4	4	*4.0	*6.5	21	8	4	*8.0	*11.0	21	4	3	*2.5	*5.0
14	150	8	5	12.5	20.0	115	12	12	*16.0	*23.5	75	22	12	*7.5	*10.5	57	24	6	3.5	6.0	39	8	9	*2.5	*6.0	24	4	2	*4.0	*7.5	23	8	4	*10.0	*16.5	23	4	2	3.0	6.0
15	151	8	6	14.5	21.5	115	10	14	155	23.5	77	22	14	*9.0	*13.0	56	19	4	*5.0	*8.0	42	5	11	3.5	6.5	26	8	4	*6.0	*9.0	25	10	5			27	0	4	2.5	5.0
16	151	6	6	14.0	21.5	111	14	9	14.0	20.0	73	25	12	*8.0	*14.0	56	19	4	7.0	9.0	43	2	13	3.0	5.0	31	7	3	*9.0	*13.0	33	2	4	4.5	9.0	27	4	2	3.5	5.5
17	151	6	6	13.0	20.0	111	12	8	11.0	17.0	77	22	12	6.5	10.0	59	18	6	5.0	8.0	43	4	14	2.5	4.0	36	4	5	*9.5	*14.5	39	5	4	6.0	10.0	27	6	2	3.0	5.5
18	150	6	5	12.5	20.0	115	10	8	11.0	18.0	89	15	12	10.0	15.5	65	19	8	4.5	7.5	47	3	13	3.0	4.5	46	3	10	*8.0	*12.0	41	4	4	6.5	10.5	27	4	4	4.0	6.0
19	151	5	5	13.0	20.0	117	13	6	9.0	17.0	95	14	12	13.0	20.5	79	10	14	*7.5	*10.0	51	8	10	8.0	11.0	48	7	9	8.5	14.5	41	5	3	7.0	12.0	27	2	4	4.0	7.0
20	154	5	5	12.5	19.0	124	8	9	11.5	18.5	101	12	12	13.0	21.0	81	12	13	8.5	17.5	55	10	8	11.0	16.0	53	3	7	6.5	11.5	42	3	3	6.5	11.5	27	4	4	4.0	7.0
21	155	3	6	11.0	19.0	127	7	11	13.0	19.5	105	9	14	12.0	22.5	83	12	12	8.0	12.0	57	7	9	*9.0	*13.0	56	3	10	*6.0	*12.0	43	4	5	6.0	10.0	27	2	2	4.0	6.5
22	155	6	6	11.0	18.5	129	7	8	12.5	20.0	105	13	10	13.0	21.5	87	11	17	9.0	16.0	57	8	8	7.5	11.5	56	4	6	5.0	12.0	43	4	2	6.0	10.0	27	11	2	3.0	6.0
23	155	7	4	11.5	19.0	129	9	3	13.5	21.0	107	11	12	13.0	22.0	85	12	12	11.0	18.0	57	7	8	11.0	17.0	54	6	6	5.5	11.0	43	4	2	5.0	10.0	28	6	3	3.5	6.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai), T.H. Lat. 22.0 N Long. 159.7 W Month November 1958

Hour (LST)	Frequency (Mc)																																							
	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	2	4	9.0	16.0	127	5	4	10.0	16.5	101	12	8	12.5	18.0	79	10	9	9.5	17.0	49	10	2	6.0	10.5	60	8	8	5.0	10.0	42	2	4	5.0	9.0	26	2	2	2.5	4.5
01	152	3	3	11.0	16.5	127	6	2	11.0	17.0	101	11	6	12.0	17.5	77	14	9	11.5	17.0	53	7	6	7.5	13.5	62	4	8	6.0	12.0	40	5	3	4.0	8.0	24	3	0	2.0	4.0
02	153	4	4	10.0	15.5	129	4	4	11.5	18.0	103	10	8	11.0	17.5	77	15	6	9.0	15.0	53	7	6	6.5	11.5	62	7	6	5.0	11.0	38	8	4	5.0	8.5	24	2	0	2.0	3.5
03	153	2	4	10.0	16.0	129	5	4	11.0	18.0	103	11	8	12.0	19.0	77	14	6	11.5	17.0	53	6	5	7.0	12.5	62	6	6	5.5	11.5	38	4	4	4.5	7.5	24	2	0	2.0	3.5
04	153	2	2	9.0	14.5	130	4	5	11.5	19.5	103	9	6	12.0	20.0	79	11	8	12.0	20.5	51	7	4	7.0	12.0	49	7	7	6.0	10.5	36	4	3	4.0	7.5	24	0	2	1.5	3.0
05	153	2	2	10.0	16.0	131	2	5	13.0	20.0	101	10	4	12.5	200	75	9	7	11.5	19.0	51	8	4	8.0	12.5	44	6	4	5.5	10.0	36	2	4	3.5	6.0	24	1	0	1.0	3.0
06	153	2	2	9.0	16.0	129	6	5	12.0	19.0	99	9	5	11.5	18.5	70	10	11	10.5	15.0	49	6	4	7.5	12.5	45	4	4	5.5	10.5	36	4	2	4.0	7.0	24	2	2	1.5	3.0
07	153	2	2	9.5	15.5	121	4	4	105	18.0	79	13	10	13.0	19.0	53	11	2	5.0	7.0	44	4	3	7.0	11.0	42	3	4	7.0	12.0	40	3	3	5.0	9.0	26	3	2	3.0	5.0
08	149	2	2	9.5	16.0	115	8	4	11.0	18.0	69	13	8	9.5	13.0	55	9	6	6.0	8.5	35	8	4	3.0	5.0	34	5	7	9.5	16.5	34	5	4	4.5	9.5	24	7	2	2.0	4.5
09	149	2	4	9.5	15.0	105	13	6	13.0	20.0	70	20	6	9.0	11.0	55	5	4	4.0	6.5	31	7	2	3.0	5.0	20	4	2	3.0	5.0	28	4	6	9.0	14.5	22	5	2	3.0	5.5
10	147	4	4	11.0	16.5	101	10	6	12.0	17.0	71	16	8	6.0	9.0	54	7	3	4.5	7.5	29	6	4	3.5	5.5	24	6	4	6.5	11.0	25	3	5	12.0	16.5	22	2	4	3.0	5.5
11	147	2	4	10.5	16.0	103	10	6	13.0	19.5	69	14	8	11.0	19.5	55	10	6	5.5	9.0	29	14	2	3.5	5.5	22	6	4	4.5	7.5	22	6	2	9.0	13.0	20	2	4	3.0	4.5
12	147	2	4	11.5	17.5	105	8	8	16.0	23.5	66	16	5	4.0	6.0	55	8	4	4.5	9.0	29	2	2	3.0	5.0	22	4	2	5.5	8.5	24	4	4	8.5	130	20	4	2	3.0	5.0
13	145	6	2	13.5	19.5	105	8	8	14.5	22.0	68	13	6	5.0	7.0	54	9	3	5.0	9.0	29	5	2	3.5	6.0	22	5	2	5.0	8.0	24	4	4	11.0	16.0	20	4	2	2.0	4.0
14	147	3	4	13.5	20.5	109	8	10	12.0	17.0	71	18	10	4.0	6.5	55	12	4	6.0	9.5	29	10	2	3.0	5.5	24	5	4	5.0	9.0	24	6	4			22	4	2	3.0	4.5
15	147	2	5	14.0	21.0	105	6	8	15.0	21.0	68	11	9	3.5	6.0	56	5	5	5.0	9.5	29	4	2	3.0	5.0	28	6	8	6.0	11.0	27	3	3	5.0	8.5	24	4	2	1.5	4.0
16	147	2	4	14.0	21.5	103	6	8	11.0	16.5	70	15	7	5.0	7.5	54	7	5	7.0	10.5	29	7	2	2.5	4.0	32	6	7	6.5	14.0	35	6	3	5.5	8.0	26	4	2	2.0	4.5
17	147	2	4	12.0	19.5	103	11	5	10.0	15.5	73	10	6	7.0	10.5	57	9	4	8.0	11.0	31	11	3	3.0	5.0	38	8	6	7.0	14.5	40	6	4	5.0	8.0	26	4	2	3.0	5.5
18	145	2	2	11.5	18.0	109	9	5	12.0	18.0	79	12	6	12.5	17.5	61	17	6	4.0	6.5	39	9	6	3.0	5.5	46	6	8	8.0	12.0	40	5	3	6.5	11.0	26	2	2	3.0	5.0
19	147	2	2	10.0	16.5	113	8	6	15.0	20.0	87	12	11	14.5	23.0	73	17	9	12.0	220	45	12	7	6.0	9.0	52	6	10	6.5	12.5	40	5	3	7.0	11.5	26	4	2	2.0	4.5
20	149	4	2	10.0	16.0	115	14	4	13.5	22.0	89	22	10	14.0	230	75	17	9	11.0	16.5	47	15	4	12.0	18.5	52	8	4	7.0	12.0	42	2	4	6.5	10.5	28	6	2	3.0	5.5
21	149	4	2	10.0	16.0	117	11	6	13.0	19.5	91	20	8	12.0	22.5	75	14	6	11.0	18.5	49	15	4	9.0	15.0	54	8	6	5.5	10.0	42	4	2	6.0	10.0	28	10	2	3.5	5.0
22	151	2	2	9.5	15.0	123	8	6	11.5	17.5	95	18	8	13.0	22.5	77	15	4	13.0	22.0	51	9	6	7.0	12.5	56	8	6	5.0	9.0	42	4	2	4.0	8.5	28	9	2	3.0	6.0
23	153	2	6	10.0	16.5	125	7	4	10.5	17.0	99	14	10	10.0	17.0	75	15	6	9.0	14.0	51	11	5	7.0	11.5	56	3	6	6.0	11.5	42	4	2	4.0	8.0	28	4	4	2.5	4.5

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Kauai, T.H. Lat. 22°N Long. 159.7°W Month December 1958

Hour (LST)	Frequency (Mc)																																							
	0.0133					0.05125					0.1605					0.545					2.5					5.0					10.0					20.0				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	6	8.5	14.5	127	4	6	10.0	16.0	101	9	7	8.5	16.0	77	12	4	11.0	18.0	57	6	4	6.0	9.5	58	6	4	4.5	7.5	42	5	2	3.0	6.0	25	2	2	2.0	4.0
01	154	3	4	9.5	15.5	129	2	6	9.5	16.0	103	7	8	10.0	16.0	79	11	6	10.5	16.0	57	5	6	5.5	9.0	58	6	4	3.5	7.0	42	2	2	4.5	7.5	25	2	2	2.0	3.5
02	154	2	3	10.0	16.5	129	4	4	11.5	18.5	103	8	4	10.0	17.0	81	8	9	10.5	17.0	57	6	4	6.0	10.0	60	4	6	5.5	9.0	40	4	2	4.5	7.0	25	0	2	2.0	3.5
03	154	2	2	10.0	16.0	129	4	4	11.0	18.5	103	9	3	10.5	18.0	81	9	6	11.0	16.5	57	4	4	7.0	11.5	60	9	5	5.5	10.0	40	4	4	3.5	7.0	23	3	0	1.5	3.0
04	154	2	2	10.0	16.5	131	2	4	11.5	19.0	103	8	4	10.0	17.5	79	10	6	11.0	17.5	57	6	4	6.5	12.0	54	10	10	6.5	11.0	38	6	3	4.5	7.0	25	0	2	1.5	3.0
05	156	2	4	10.5	17.0	131	3	4	12.0	19.5	105	6	6	10.0	18.0	77	9	6	11.5	15.5	57	5	6	6.5	12.0	49	6	3	6.5	10.5	38	4	4	4.0	7.0	25	0	2	2.0	3.5
06	156	2	2	11.0	17.0	131	2	4	12.0	19.5	101	4	4	10.0	17.5	69	8	5	10.0	15.0	57	4	6	7.5	12.0	48	7	4	6.0	10.0	38	5	2	4.0	7.0	25	0	2	1.5	3.0
07	156	2	2	11.0	18.0	123	4	4	12.5	20.0	85	8	7	13.0	20.5	59	7	4	4.5	8.5	49	7	2	7.0	10.0	48	3	4	6.0	9.0	42	6	4	5.0	8.5	25	4	2	2.5	4.5
08	152	2	4	11.5	18.0	115	10	5	13.0	20.0	73	14	8	10.5	18.0	59	7	4	4.5	8.0	41	12	4	2.0	4.0	38	7	4	9.0	13.5	38	9	4	6.0	10.0	23	7	2	4.0	7.0
09	150	3	4	13.0	19.0	105	12	6	14.0	20.5	67	25	6	17.0	22.0	55	6	4	4.5	7.5	35	17	4	3.0	4.5	24	7	4	3.0	4.5	32	6	6	7.5	12.0	23	6	4	3.5	6.0
10	150	2	4	12.0	19.0	107	7	6	13.5	21.5	69	18	10	15.5	21.5	55	6	6	5.0	8.5	33	8	3	3.0	5.0	28	6	4	7.0	10.0	26	5	3	13.0	18.0	21	3	4	3.5	5.0
11	150	2	2	12.5	19.0	109	7	10	17.0	24.5	69	20	9	10.0	14.0	53	8	2	6.0	10.0	31	10	2	2.5	4.0	24	5	2	4.0	6.0	23	6	4	6.5	10.5	19	4	2	3.0	5.0
12	150	2	3	13.0	20.5	107	8	6	15.5	22.5	67	22	7	12.0	19.0	54	5	3	4.5	9.0	31	2	2	3.0	4.5	24	2	2	4.5	7.0	24	4	6	12.0	16.5	19	4	2	3.5	5.5
13	150	2	6	14.0	20.5	107	10	6	13.5	20.5	67	20	5	13.5	18.0	51	8	2	4.5	8.0	31	2	3	2.0	4.0	24	4	4	6.0	8.0	22	6	4	8.0	12.0	21	4	2	2.5	5.0
14	150	2	4	14.5	22.5	109	9	7	16.0	23.5	67	19	7	14.5	21.5	53	4	4	5.0	9.0	31	3	3	3.0	5.0	26	4	2	6.0	8.5	24	6	4	6.0	11.0	21	4	2	2.5	4.0
15	149	3	5	14.5	21.5	108	9	9	15.0	22.5	65	21	6	14.5	25.0	53	7	4	5.5	9.0	31	2	2	3.0	4.0	28	6	4	7.0	10.0	28	6	4	8.0	11.5	23	4	2	3.0	5.0
16	148	4	3	14.0	21.0	102	13	5	13.0	19.0	65	14	4	5.5	8.5	53	4	4	4.0	7.5	31	2	2	2.0	3.0	32	5	4	–	–	34	4	4	5.5	8.5	25	3	2	2.5	4.5
17	148	3	4	12.0	19.0	103	9	7	13.0	19.5	75	22	8	6.5	12.0	57	11	4	8.0	13.0	33	7	2	2.5	4.5	38	5	4	6.0	10.0	40	3	4	6.0	10.0	25	3	2	3.0	5.0
18	148	2	4	9.5	15.0	107	10	6	11.5	18.0	83	10	8	12.0	20.0	63	12	4	5.0	7.0	39	14	4	3.0	4.5	44	6	2	4.0	7.0	40	4	2	6.0	9.0	25	3	2	3.0	5.0
19	150	2	4	8.5	13.0	113	6	6	11.0	15.5	89	10	12	12.5	20.5	73	6	7	8.0	13.5	47	9	6	6.5	4.0	50	4	4	4.0	8.0	40	4	4	6.5	10.5	25	2	2	2.5	5.0
20	152	2	5	8.0	13.0	117	6	8	12.5	18.0	95	5	14	13.0	21.0	77	6	10	7.0	13.0	51	8	8	7.0	11.0	52	7	6	5.0	8.0	40	4	2	5.0	8.0	27	2	3	3.0	5.5
21	154	0	5	8.0	13.0	121	4	8	12.5	17.5	95	8	9	12.0	20.0	77	6	6	9.5	16.0	53	7	6	7.5	13.0	52	4	4	6.0	11.0	42	4	2	5.0	7.5	27	2	2	2.5	4.5
22	154	2	5	8.0	14.0	123	4	5	10.0	16.0	99	6	10	11.0	18.0	79	10	8	13.0	17.0	55	4	6	7.0	11.5	54	6	4	3.5	6.5	44	2	3	4.0	8.0	27	2	2	2.0	4.0
23	154	3	4	8.0	14.0	125	4	4	8.5	14.0	99	7	6	11.0	18.0	77	10	7	7.0	13.0	57	4	6	5.0	9.0	54	4	2	4.0	6.5	42	4	1	4.0	7.0	25	3	0	2.0	4.0

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W Month January 19 59

Hour (LST)	Frequency																																							
	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	155	3	2	9.5	15.5	128	9	4	10.0	16.5	100	18	6	10.5	19.5	81	20	10	10.0	19.0	55	13	7	8.0	13.0	57	5	4	5.0	9.5	41	6	3	4.5	7.5	23	5	0	2.0	4.0
01	155	4	2	9.0	15.5	130	8	5	10.0	17.0	102	16	6	11.0	18.0	83	16	10	10.0	19.0	57	12	6	7.5	12.5	57	4	5	5.0	9.0	41	4	3	5.5	8.0	23	2	0	2.0	4.0
02	155	4	4	10.0	15.5	130	8	2	11.0	18.0	104	17	8	10.0	18.0	81	21	8	9.0	17.5	57	12	5	6.0	10.5	59	3	5	6.0	10.5	40	2	3	4.0	7.0	23	2	0	1.5	3.0
03	155	4	4	9.5	15.5	130	9	2	11.0	18.0	104	16	7	10.0	19.0	85	17	12	11.5	20.0	57	12	5	7.0	12.0	57	8	6	6.0	9.0	38	2	4	4.0	6.0	23	2	0	1.5	2.5
04	155	4	4	10.0	15.5	132	7	4	10.5	17.5	104	17	6	10.5	18.0	83	17	10	11.0	19.5	57	13	6	7.5	12.5	51	8	5	5.5	10.0	35	5	3	3.0	5.5	23	2	0	1.5	3.0
05	155	5	2	10.0	15.5	132	7	4	10.0	17.0	106	13	8	9.5	19.0	83	16	12	10.0	20.0	57	14	6	8.5	13.5	47	9	4	6.0	10.5	35	5	3	3.0	5.5	23	2	0	2.0	3.0
06	155	4	4	10.0	16.0	132	6	4	11.0	17.5	104	15	8	10.0	19.0	79	17	11	10.0	19.5	57	12	8	8.0	14.0	47	9	4	6.0	9.0	34	4	2	3.0	5.5	23	2	0	1.5	3.0
07	157	2	5	10.0	16.0	126	8	4	11.5	18.5	94	18	9	12.5	21.5	67	24	14	10.0	19.5	55	12	7	7.5	14.0	53	4	4	5.0	8.0	40	4	2	4.5	7.0	23	2	2	2.5	4.0
08	153	1	4	11.5	18.5	120	11	4	11.0	18.0	88	24	20	13.0	22.5	61	28	10	8.0	15.0	45	13	9	5.0	8.0	41	11	5	9.0	14.0	40	6	3	5.0	9.0	23	4	2	5.0	7.5
09	151	6	4	12.0	19.5	114	20	10	14.5	21.5	86	28	22	13.5	24.0	61	28	8	14.0	27.0	37	18	9	4.0	6.0	28	16	7	4.0	6.0	36	7	8	8.0	12.0	21	5	2	4.0	6.0
10	151	5	6	13.0	18.5	113	21	7	18.5	25.0	86	28	24	17.0	24.0	57	32	6	11.5	18.0	33	16	6	3.5	5.0	31	7	6	5.5	8.0	28	12	8	7.5	15.0	21	4	4	4.0	6.0
11	151	4	6	13.5	21.0	116	16	18	16.5	24.0	84	28	24	13.5	24.5	57	36	6	12.0	21.5	36	11	8	2.5	4.5	29	6	6	3.0	4.0	24	15	4	8.5	15.5	19	4	3	4.0	5.5
12	151	4	6	13.5	21.0	114	17	8	17.0	24.5	78	30	17	13.0	23.5	60	29	10	12.0	17.0	31	14	4	4.0	6.0	25	9	6	5.5	8.0	24	12	8	8.0	14.0	19	4	2	4.0	7.0
13	149	6	2	15.0	22.0	113	18	8	15.5	25.0	76	38	14	14.0	25.0	58	33	9	9.0	14.0	29	15	3	4.0	5.5	27	6	6	5.5	7.5	24	12	10	12.0	18.0	19	8	2	3.0	5.0
14	150	3	7	15.5	23.0	116	16	10	15.5	24.0	80	32	18	13.5	24.0	57	34	8	12.0	22.0	31	18	6	3.0	5.0	27	14	4	6.0	9.0	26	14	8	9.0	14.5	21	4	2	2.5	4.5
15	149	6	6	16.0	23.5	116	15	13	15.0	24.5	88	22	24	17.5	29.0	55	32	6	11.0	18.0	31	19	6	3.5	5.0	28	11	5	8.0	12.0	28	12	6	10.0	14.5	23	2	2	3.0	5.5
16	149	4	6	16.0	23.0	112	20	11	16.5	25.0	88	23	26	14.0	25.0	57	38	8	12.5	23.0	31	16	6	3.0	5.5	33	12	7	8.5	16.5	34	8	6	6.5	9.5	24	3	3	3.0	6.0
17	149	7	6	15.0	23.0	112	25	12	15.0	24.0	90	24	25	14.0	24.5	65	29	12	8.0	15.0	35	22	8	2.5	4.5	40	10	10	9.5	16.0	38	8	1	7.0	10.5	25	4	2	4.0	6.0
18	147	8	2	14.0	21.0	117	18	15	16.0	23.0	96	15	25	12.0	22.5	74	19	17	11.5	19.0	43	21	13	4.0	8.0	47	10	6	6.0	9.5	42	4	5	7.0	11.0	23	5	0	3.0	6.0
19	149	10	5	13.0	20.5	117	19	13	14.5	21.0	96	21	17	12.0	21.0	79	17	11	9.0	16.5	49	16	12	5.5	9.0	51	10	6	8.0	13.5	40	6	2	7.5	12.5	24	5	2	3.5	5.5
20	151	7	4	12.0	19.5	120	16	8	13.5	22.0	98	16	14	14.0	24.0	80	15	14	12.5	24.0	51	16	10	6.5	11.0	53	8	5	6.0	10.0	40	8	2	5.0	9.5	25	5	2	2.5	4.5
21	153	3	4	11.5	18.5	122	12	4	13.0	22.0	98	16	9	13.0	22.5	79	18	11	9.0	17.5	53	15	9	6.0	9.0	53	7	3	7.0	12.0	42	2	4	5.0	9.0	25	7	2	3.5	5.5
22	155	3	5	10.5	16.5	126	11	6	11.0	18.5	99	19	7	12.5	22.0	81	18	8	10.5	20.0	55	13	10	9.0	14.0	55	6	4	4.5	9.0	42	4	3	5.0	8.5	25	7	2	2.5	5.0
23	155	4	4	9.5	15.0	128	8	4	10.5	17.0	99	19	7	10.0	19.5	80	20	9	10.5	18.5	55	11	6	10.0	13.5	53	8	2	6.5	11.0	42	4	3	5.0	8.5	25	9	2	2.0	4.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, (Kauai) T. H. Lat. 22.0 N Long. 159.7 W Month February 19 59

Hour (LST)	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	2	2	8.0	13.5	127	5	3	9.0	15.0	98	4	11	11.0	17.0	75	14	6	13.0	19.0	52	12	4	7.5	12.0	62	6	6	5.5	10.5	44	2	4	4.0	6.5	24	2	2	2.0	4.0
01	154	2	2	9.0	15.0	128	4	2	8.5	14.0	98	6	6	9.0	14.0	77	8	8	10.0	16.0	54	8	8	9.0	14.0	64	4	8	4.5	8.5	42	4	4	4.0	7.0	24	2	2	2.0	4.0
02	154	3	2	9.0	15.0	129	3	3	9.0	14.5	98	9	4	9.0	15.0	75	10	6	8.0	14.0	53	8	3	8.0	13.0	64	6	8	4.0	9.0	42	6	6	3.0	6.5	24	0	2	2.0	3.5
03	156	0	2	10.0	16.0	129	5	3	10.0	16.0	100	10	8	11.5	19.0	76	9	6	11.0	16.0	54	8	6	8.5	13.0	64	8	8	7.0	12.0	40	8	4	3.0	6.0	24	0	2	1.5	3.0
04	156	1	2	10.0	16.5	130	2	3	10.0	17.0	98	10	4	10.0	17.0	75	9	6	7.5	14.0	54	8	6	9.0	14.0	50	12	6	5.0	9.0	38	6	6	3.5	6.0	24	0	0	1.5	3.0
05	156	1	3	10.0	16.0	130	2	2	10.0	16.0	98	10	4	11.0	18.0	73	8	6	12.0	17.0	54	8	6	7.0	11.5	46	6	4	5.5	9.5	38	4	6	4.0	6.5	24	0	0	1.0	3.0
06	156	2	2	9.5	16.0	130	4	2	11.0	18.5	98	6	5	11.0	18.0	69	9	4	9.0	14.0	53	7	7	7.0	11.0	46	2	4	5.0	8.0	38	8	4	3.0	5.5	24	0	0	1.0	2.5
07	156	2	2	10.5	16.5	122	2	2	11.0	17.0	80	14	6	8.0	13.0	55	5	2	4.0	6.0	48	4	4	6.5	9.5	48	4	2	6.5	11.0	42	8	4	4.5	7.5	24	2	2	2.0	3.5
08	152	2	2	11.0	17.0	116	4	3	10.0	16.5	68	15	6	7.0	9.0	53	3	2	4.0	6.0	40	8	4	3.0	5.0	40	6	4	8.5	15.5	40	6	4	5.0	8.0	22	2	2	2.0	5.0
09	150	2	2	10.0	16.5	105	7	7	9.5	14.5	68	18	8	9.0	12.5	53	2	2	2.5	5.0	36	4	6	2.5	4.5	22	2	4	3.0	4.5	32	6	4			20	4	2	2.5	4.5
10	149	3	3	11.0	16.5	102	9	8	16.5	22.5	64	18	4	4.0	6.0	53	3	4	3.0	6.0	34	4	4	3.0	4.5	28	4	2	8.0	11.5	28	4	4	4.5	8.5	18	2	2	3.0	5.0
11	148	2	2	10.5	16.0	102	12	6	15.5	23.5	64	14	4	11.0	13.5	53	4	2	4.5	7.5	35	11	5	2.5	4.0	26	4	6	3.5	6.0	24	2	6	5.0	8.0	16	3	0	3.5	6.0
12	148	2	2	12.0	18.0	106	8	8	14.5	22.0	64	14	6	7.0	9.0	53	3	2	5.0	8.0	32	2	2	3.0	5.0	24	4	4	5.5	8.5	22	4	4			16	3	2	2.5	4.5
13	148	2	3	13.5	19.5	104	12	4	14.0	19.5	64	16	6	18.0	25.5	51	6	2	4.0	6.0	32	5	4	2.5	5.0	24	5	4	5.0	8.0	22	2	5	7.5	11.0	16	3	1	3.0	5.0
14	147	3	1	13.5	20.0	105	11	5	16.5	24.0	66	12	8	11.5	15.0	51	6	4	5.0	8.0	32	3	2	2.5	4.5	26	4	6	6.5	10.5	22	4	2			20	2	4	2.5	4.0
15	146	2	2	15.0	21.5	106	6	4	15.5	20.5	64	18	6	8.5	11.0	51	6	2	5.5	9.0	32	3	2	2.5	4.0	28	4	6	7.0	10.5	24	6	4	8.5	13.5	22	2	4	3.0	5.0
16	146	4	2	14.5	22.0	104	6	4	13.0	19.0	64	16	6	13.0	17.5	51	8	2	4.5	7.5	32	4	2	2.0	4.0	30	6	4			32	4	4	8.0	13.0	22	4	2	3.0	4.5
17	146	4	0	14.0	21.0	102	10	2	14.0	19.0	66	18	6	11.0	14.0	53	6	2	4.0	6.0	32	4	2	2.5	4.0	34	8	8	11.5	18.5	38	4	4	5.5	9.0	22	4	2	2.5	5.0
18	148	2	4	12.0	19.0	102	6	4	9.5	13.5	72	19	8	8.0	14.0	61	10	6	6.0	8.0	34	8	2	4.0	6.0	44	4	6	7.0	12.0	41	3	3	9.5	14.0	22	4	2	3.0	5.0
19	146	2	2	10.5	17.0	108	10	8	7.5	12.0	80	17	12	12.0	17.0	67	12	6	7.5	12.0	40	8	4	2.0	4.0	48	6	4			41	5	3	8.0	12.0	22	4	0	2.5	5.0
20	150	2	4	9.5	15.0	114	11	8	12.0	17.0	86	16	12	15.0	20.5	71	14	6	6.5	10.0	46	14	6	8.0	14.0	52	4	4	5.0	9.0	41	3	3	9.0	13.5	24	3	2	3.0	5.0
21	150	4	2	8.0	14.0	116	10	6	14.0	19.5	88	14	13	13.0	20.0	75	10	8	5.5	8.5	50	8	6	8.0	11.5	56	4	4	8.0	13.0	42	4	2	4.0	8.0	26	2	2	2.5	5.0
22	152	4	2	8.0	14.0	122	4	6	11.0	16.5	92	12	6	13.5	21.5	75	12	10	10.0	15.5	50	12	6	7.5	11.5	56	5	4	6.0	11.5	44	2	4	5.0	9.0	26	2	2	2.5	4.5
23	154	2	2	8.0	13.0	126	2	6	10.0	14.0	94	9	4	9.5	15.5	74	17	7	11.0	16.0	52	12	6	8.0	15.5	57	3	3	5.0	10.0	44	4	2	4.0	8.0	24	2	0	2.0	4.0

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

RADIO NOISE DATA

Station OHIRA, JAPAN Lat. 35.6 N Long. 140.5 E Type Recorder ARN-2 Month JUNE 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	13 Kc																							
F_{am}	155	155	155	155	155	153	151	151	*149	*150	*151	*151	*151	*153	*155	*157	157	157	157	155	155	155	157	155
D_u	2	2	2	2	2	2	2	2									4	3	4	4	2	4	1	4
D_ℓ	1	2	2	2	2	2	0	2									4	4	3	3	2	2	3	0
V_{dm}																								
L_{dm}																								
	51 kc																							
F_{am}	130	130	130	130	124	120	114	114	*114	*116	*117	*120	*120	*122	*124	*124	123	124	120	122	126	130	130	130
D_u	2	0	2	0	3	5	6	4									3	10	6	6	5	3	4	3
D_ℓ	2	2	4	4	2	3	6	8									1	10	8	6	4	4	4	3
V_{dm}																								
L_{dm}																								
	160 kc																							
F_{am}	106	105	105	105	95	81	77	75	*77	*79	*83	*81	*83	84	*85	89	86	87	88	95	103	106	105	105
D_u	2	4	4	4	4	7	10	10						15		16	21	31	29	16	4	4	6	6
D_ℓ	3	4	4	4	7	10	8	6						7		16	13	13	11	6	6	4	3	4
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	75	75	75	72	61	63	63	*63	*63	*63	*63	*62	*65	63	*61	61	63	66	64	74	78	81	80	81
D_u	6	8	8	8	11	2	2							10		22	24	30	29	17	9	5	8	8
D_ℓ	5	5	4	3	4	2	2							2		2	4	5	3	5	6	7	9	8
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	55	55	55	53	51	39	33	33	*25	*27	*27	*27	*27	*29	*27	*27	37	33	37	45	53	54	53	55
D_u	7	6	5	8	7	6	4	2									14	24	24	16	6	5	8	6
D_ℓ	6	5	6	4	5	5	3	4									6	3	5	5	6	7	4	6
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	55	54	53	53	51	39	33	29	*23	*23	*25	*23	*25	27	*26	*29	35	41	43	55	65	69	71	57
D_u	5	4	3	3	3	7	2	4						12			10	17	12	7	4	4	4	18
D_ℓ	6	3	5	5	5	5	7	6						6			10	9	5	9	7	6	7	6
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	44	42	42	44	42	38	32	26	*22	*22	*22	*21	*22	26	*28	*31	32	39	43	44	44	44	44	44
D_u	4	5	3	3	3	5	5	6						8			10	5	3	5	4	4	5	4
D_ℓ	2	2	2	4	4	2	4	4						6			4	4	5	4	2	3	2	2
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	25	25	23	23	23	23	25	23	*21	*22	*23	*23	*23	*23	*25	25	29	29	29	25	24	26	26	25
D_u	6	4	3	2	2	7	8	6								6	4	5	4	3	7	3	4	7
D_ℓ	2	3	2	2	2	2	4	2								2	6	5	6	2	3	3	3	2
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station OHIRA, JAPAN Lat. 35.6 N Long. 140.5 E Type Recorder ARN-2 Month JULY 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	13 kc																							
Fam	157	157	153	155	155	155	153	153	*153	*154	*152	*151	*153	*153	*154	155	157	157	157	155	153	154	157	154
Du	2	2	3	6	4	4	6	6								4	6	2	4	4	2	2	4	2
Dℓ	4	2	1	0	2	4	4	4								2	2	2	2	2	4	4	2	2
Vdm																								
Ldm																								
	51 kc																							
Fam	131	131	132	130	128	123	120	120	*121	*122	*121	*122	*122	*124	*124	126	124	124	122	122	128	130	133	131
Du	5	5	4	4	6	9	14	12								10	10	12	11	14	6	6	5	5
Dℓ	5	3	4	2	2	3	6	10								4	2	4	6	4	4	4	5	5
Vdm																								
Ldm																								
	160 kc																							
Fam	109	108	109	108	104	94	93	94	*101	*101	*88	*88	*90	*88	*93	92	86	87	87	99	106	108	109	*110
Du	7	7	7	6	8	21	23	20								33	35	30	31	4	8	8	9	
Dℓ	7	6	5	7	10	17	15	16								6	3	9	9	7	5	5	6	
Vdm																								
Ldm																								
	545 kc																							
Fam	80	83	82	83	73	71	68	*69	*67	*78	*64	*63	*68	*65	*67	69	66	67	66	78	78	83	83	84
Du	15	14	15	10	18	18	22									32	29	26	26	20	14	10	8	13
Dℓ	4	9	7	14	14	10	9									8	4	5	4	9	3	8	6	5
Vdm																								
Ldm																								
	2.5 Mc *																							
Fam	58	59	60	60	59	44	37	33	30	28	29	27	32	31	31	33	35	36	41	47	53	57	57	59
Du																								
Dℓ																								
Vdm																								
Ldm																								
	5 Mc *																							
Fam	55	56	54	54	55	45	36	28	30	24	28	24	26	28	28	32	32	38	46	54	62	66	68	58
Du																								
Dℓ																								
Vdm																								
Ldm																								
	10 Mc *																							
Fam	44	44	44	44	43	41	38	32	24	20	22	22	23	23	26	29	36	40	42	46	46	46	46	46
Du																								
Dℓ																								
Vdm																								
Ldm																								
	20 Mc *																							
Fam	25	22	22	22	22	22	22	22	22	20	20	20	24	30	28	28	26	28	28	24	26	26	26	26
Du																								
Dℓ																								
Vdm																								
Ldm																								

RADIO NOISE DATA

Station OHIRA, JAPAN Lat. 35.6 N Long. 140.5 E Type Recorder ARN-2 Month AUGUST 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	13 kc																							
F_{am}	153	152	153	152	152	153	151	150	*149	*146	148	148	148	149	150	153	153	153	153	152	152	153	154	153
D_u	5	6	5	6	6	3	4	4			5	7	8	11	8	5	5	6	7	4	7	5	2	4
D_ℓ	7	4	6	5	5	6	3	5			8	4	4	5	2	5	3	3	5	4	4	5	7	5
V_{dm}																								
L_{dm}																								
	51 kc																							
F_{am}	129	127	128	128	129	126	124	122	*120	*125	124	122	124	126	126	130	130	129	126	128	128	126	128	128
D_u	7	9	10	8	7	8	10	12			14	13	16	16	14	12	12	21	12	10	10	10	8	8
D_ℓ	4	6	7	6	7	6	5	6			12	7	6	6	6	10	6	9	6	6	8	4	6	7
V_{dm}																								
L_{dm}																								
	160 kc																							
F_{am}	106	108	108	106	105	96	95	92	*90	*84	94	92	94	91	94	98	96	93	90	98	102	104	104	106
D_u	10	10	10	10	11	12	14	15			16	24	28	31	26	28	28	36	24	14	13	10	13	8
D_ℓ	10	12	12	11	12	11	18	14			16	10	12	7	8	14	14	11	6	8	8	8	7	13
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	80	81	82	82	70	70	70	70	*69	*70	68	66	71	72	72	74	71	70	70	80	84	86	85	86
D_u	14	12	10	10	18	17	13	10			20	24	25	24	26	26	32	28	17	14	9	7	11	13
D_ℓ	11	12	13	13	5	6	8	6			4	4	6	6	10	12	7	4	6	10	10	8	9	6
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	55	56	56	58	57	45	36	33	*33	*27	*28	29	29	28	28	29	33	34	41	47	53	55	55	55
D_u	8	7	9	5	6	10	13	21				10	18	17	27	31	30	19	14	8	6	8	4	8
D_ℓ	8	7	7	11	12	10	5	3				3	3	1	3	4	2	2	6	10	12	12	9	10
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	54	53	56	55	54	48	33	31	*28	*26	*27	26	28	26	26	28	34	38	49	63	64	68	66	54
D_u	4	7	2	5	6	5	11	11				9	14	13	16	23	12	14	4	7	6	8	7	20
D_ℓ	6	7	9	7	6	10	3	7				2	4	2	3	6	10	9	9	15	6	6	10	7
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	45	45	43	43	43	42	37	31	*32	*24	23	24	22	25	27	33	39	43	44	44	45	45	45	45
D_u	2	2	4	4	2	3	6	5			10	12	15	7	10	11	4	2	1	3	4	4	4	2
D_ℓ	4	3	2	4	5	3	6	7			4	5	3	5	4	7	9	6	5	2	2	3	3	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	23	22	21	21	21	21	22	21	*19	*19	17	19	20	21	23	25	27	27	27	26	23	23	24	23
D_u	4	3	4	2	1	2	3	5			8	9	7	13	8	5	8	14	11	11	8	4	3	4
D_ℓ	2	1	1	2	2	2	1	2			0	3	3	3	3	4	4	3	5	5	2	2	3	2
V_{dm}																								
L_{dm}																								

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month September 1958

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	155	8	6			130	12	4			109	12	6			88	9	11			54	10	8			51	8	10			42	8	6			23	4	2		
01	155	8	6			130	10	4			111	10	10			88	7	11			56	6	10			53	10	14			42	6	8			23	4	2		
02	155	6	6			130	10	4			111	10	8			89	8	12			54	10	8			55	6	16			42	6	8			23	4	2		
03	155	4	4			132	6	4			111	8	10			89	8	14			58	6	14			52	13	13			40	4	10			21	2	0		
04	155	6	4			131	9	7			109	10	10			83	14	12			54	10	11			53	11	11			40	6	10			21	4	0		
05	155	6	4			126	10	6			100	17	15			75	20	10			51	13	9			55	16	16			42	4	8			25	2	4		
06	154	5	8			122	14	10			93	22	22			74	21	12			40	10	6			37	6	6			38	6	8			23	4	2		
07	153	6	8			120	14	11			91	27	22			73	24	8			38	12	6			31	5	5			32	9	6			21	6	2		
08	*153					*116					*79					*69					*36					*29					*26					*19				
09	*153					*116					*87					*69					*31					*25					*22					*19				
10	*151					*119					91	22	16			71	22	6			*32					*25					24	14	6			20	6	3		
11	153	6	4			126	10	10			91	22	15			72	20	11			32	26	4			29	12	6			27	10	9			21	7	4		
12	153	7	5			122	16	6			89	22	10			72	18	4			32	18	3			27	10	2			24	13	7			21	7	4		
13	153	6	3			127	14	11			97	21	19			75	20	9			34	16	5			29	11	7			24	11	7			21	4	2		
14	155	7	5			128	13	9			101	26	21			79	23	14			30	28	4			27	18	4			28	13	5			23	6	2		
15	155	6	4			128	11	9			97	21	17			72	26	8			35	22	8			31	16	8			34	9	2			25	11	4		
16	157	6	5			126	12	9			90	34	14			77	28	13			37	21	6			38	15	9			40	6	6			27	6	4		
17	155	13	4			125	11	12			94	21	18			78	25	11			38	26	3			49	14	12			44	5	12			29	6	6		
18	155	12	4			130	13	10			107	16	17			87	12	11			48	25	9			59	11	11			46	6	3			27	5	4		
19	155	6	4			131	6	12			109	9	10			93	7	8			56	9	9			63	12	8			46	4	4			27	4	6		
20	155	5	2			130	6	5			107	11	9			95	7	6			56	8	7			66	6	8			44	4	4			25	4	3		
21	155	6	4			131	8	4			107	10	8			95	8	6			58	6	8			67	8	6			44	4	4			25	4	3		
22	155	6	4			131	7	5			109	10	10			97	6	6			57	7	7			69	8	8			44	6	8			25	13	4		
23	153	10	2			133	8	7			109	14	8			99	4	8			56	8	8			56	11	11			44	6	8			25	10	4		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month October 19 58

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	150	2	2	8.5	15.0	130	3	5	9.5	19.0	107	8	4	10.0	18.5	84	8	5	10.0	18.5	55	7	7	6.0	12.0	55	6	6	6.0	13.0	44	5	3	5.5	11.0	24	2	2	2.5	5.0
01	150	2	2	8.5	14.5	129	4	3	10.0	18.5	108	7	5	9.0	19.0	85	11	6	9.0	18.5	54	10	7	6.5	14.0	55	8	9	6.0	12.5	44	5	6	5.0	9.0	24	4	3	2.5	5.0
02	150	4	2	8.5	15.0	130	5	3	10.0	18.5	107	6	4	9.0	19.0	84	10	7	10.0	19.0	54	10	6	7.0	13.5	54	9	8	6.0	12.0	43	3	4	6.5	11.0	23	2	2	2.5	5.0
03	150	2	2	8.5	15.0	130	4	5	10.5	18.5	105	6	2	10.5	19.0	83	7	7	9.5	18.5	54	8	6	8.0	15.0	53	6	7	7.0	11.0	41	3	6	6.0	10.0	22	2	1	2.5	5.0
04	150	4	2	8.5	15.0	128	5	4	10.5	18.5	105	6	4	10.5	19.5	82	4	5	9.0	17.0	52	12	4	6.0	13.0	50	8	5	6.5	12.5	40	2	5	5.5	10.5	22	2	1	2.0	4.5
05	150	2	2	8.5	15.0	128	2	5	11.0	18.5	99	4	5	10.5	19.0	70	14	4	7.0	10.0	50	7	4	5.5	11.5	72	11	19	6.0	11.5	39	6	1	4.0	9.0	23	3	2	2.0	5.0
06	150	2	4	8.0	15.5	119	6	5	10.0	18.5	79	20	6	9.0	17.0	69	9	5	5.5	11.5	41	8	3	5.0	9.5	47	7	4	7.5	13.5	40	4	4	5.0	9.0	24	2	3	3.0	6.0
07	147	5	3	9.0	16.0	114	6	7	13.0	21.0	80	17	11	10.5	17.0	69	11	5	7.0	12.0	38	4	2	4.5	10.0	36	7	3	6.0	11.5	34	7	4	6.5	10.0	24	2	3	3.0	6.0
08	147	4	3	*10.5	*17.0	*109			*13.5	*21.0	*85			*15.5	*20.0	*68			*6.0	*9.5	*34			*6.0	*10.0	*33			*6.0	*10.0	*30			*4.0	*10.0	*27			*3.0	*7.0
09	*146			*12.0	*19.5	*114			*14.0	*22.5	*82			*10.5	*16.5	*67			*5.0	*10.0	*30			*4.0	*9.0	*30			*4.0	*8.5	*28			*3.5	*6.5	*23			*3.0	*7.0
10	146	4	4	11.5	19.5	116	5	6	14.0	23.5	83	17	8	*12.0	*18.0	69	9	5	*5.5	*10.0	30	8	2	*5.0	*7.5	30	5	5	*5.0	*10.0	27	6	5	*4.0	*8.5	21	8	2	*2.5	*6.0
11	146	4	4	13.5	20.5	115	5	6	14.5	23.0	82	13	9	12.0	16.0	65	6	3	7.0	11.5	30	12	3	*5.0	*8.0	31	6	7	*5.0	*9.0	26	8	5	*6.0	*10.0	22	2	3	*3.0	*7.5
12	146	5	6	13.0	22.0	114	7	6	13.5	22.5	78	18	8	11.0	16.0	69	7	2	6.5	11.0	30	8	2	6.0	9.0	30	5	3	6.0	10.0	27	5	7	5.0	8.0	21	5	2	3.0	5.5
13	146	5	4	12.5	21.0	114	7	4	13.0	21.0	80	11	9	*13.0	*19.5	69	5	5	5.5	10.0	31	5	3	5.5	8.0	31	4	4	5.5	9.0	29	6	7	4.5	7.0	23	6	3	4.0	6.5
14	148	4	6	11.5	18.5	114	7	7	11.0	18.0	76	15	6	12.0	18.0	67	7	3	8.0	12.0	30	11	2	4.0	7.0	33	2	6	5.5	10.0	31	4	5	5.0	8.0	24	4	3	3.5	6.0
15	148	4	4	10.0	18.5	113	6	6	10.5	17.5	77	18	6	9.5	14.5	67	5	5	5.5	10.0	31	10	3	4.5	9.0	39	6	6	5.5	9.0	35	7	3	5.5	8.5	25	9	3	4.0	6.5
16	148	4	2	9.0	16.0	112	10	5	10.0	17.0	79	16	8	11.5	20.0	69	7	3	7.5	14.0	38	7	4	6.0	11.0	51	11	10	7.5	13.0	41	4	5	4.0	8.5	25	5	1	4.0	7.0
17	148	3	2	8.5	16.0	114	10	5	11.0	17.5	91	8	7	11.5	22.0	85	10	7	5.0	13.5	45	8	5	5.5	10.0	65	13	16	6.0	12.5	43	4	4	5.5	9.0	27	3	3	3.0	6.0
18	148	4	2	8.5	16.0	120	5	8	10.0	17.5	97	6	6	11.0	18.5	89	8	7	9.5	13.0	47	7	3	6.5	11.0	64	8	5	7.5	13.0	44	3	3	5.5	9.0	27	10	4	3.5	7.5
19	150	3	2	9.0	16.0	124	5	5	9.0	16.0	99	8	6	10.0	17.5	92	7	5	7.0	12.5	50	5	5	6.0	11.0	72	5	12	7.5	14.0	45	3	4	4.0	8.0	26	3	3	3.0	6.0
20	150	5	2	9.5	16.0	126	6	4	8.5	15.5	101	8	4	10.0	17.0	94	7	3	7.5	14.0	51	6	6	6.0	11.0	73	9	10	8.0	14.0	44	4	2	5.5	9.0	25	5	2	3.5	6.5
21	150	6	2	10.0	16.5	128	4	5	9.0	16.5	103	8	4	8.5	15.0	96	8	8	8.0	15.0	50	10	4	6.0	10.0	75	6	11	7.0	15.0	44	6	4	4.5	8.5	25	11	2	*3.0	*5.0
22	150	3	2	8.5	15.0	128	4	5	10.0	17.5	105	8	6	8.5	16.5	95	7	9	7.0	15.0	51	7	5	6.0	12.0	74	7	9	6.5	13.0	44	5	3	5.0	9.0	26	7	3	4.0	7.0
23	150	2	2	8.5	15.0	128	6	3	9.5	18.0	105	8	4	9.0	16.0	98	4	5	7.0	12.5	52	8	4	7.0	12.0	58	22	10	6.0	12.5	44	8	4	5.5	9.5	25	3	3	2.5	5.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month November 19 58

Hour (LST)	Frequency (Mc)																																							
	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	150	6	2			130	6	4			105	11	5			72	13	5			52	16	6			50	8	3			43	4	3			24	2	2		
01	152	3	2			130	5	3			106	10	5			83	11	5			50	13	4			52	7	7			42	4	4			24	2	2		
02	152	3	2			130	6	4			107	10	7			72	11	4			49	15	4			52	6	6			41	4	3			24	0	2		
03	152	2	2			130	4	4			105	11	5			72	13	4			49	14	4			50	7	3			39	4	2			24	0	2		
04	150	6	2			128	8	2			102	10	3			80	13	3			49	17	5			50	5	5			37	4	2			22	2	0		
05	152	2	4			128	4	5			102	3	11			74	12	4			49	13	5			78	5	9			39	3	4			24	2	2		
06	150	2	2			118	8	5			83	16	8			75	10	5			45	10	4			60	6	10			41	5	2			24	2	2		
07	148	2	4			112	15	5			77	25	6			70	12	3			37	6	2			50	7	13			40	5	6			24	6	2		
08	148	6	2			114	16	4			*83					*72					33	6	4			34	8	2			*41					*23				
09	*148					*110					83	22	13			70	4	2			*33					*32					35	13	5			24	2	4		
10	148	5	4			112	15	4			83	20	13			70	12	4			33	10	2			31	8	3			35	11	8			23	5	3		
11	148	8	6			114	13	8			81	19	9			72	8	6			33	14	3			32	10	4			35	6	6			24	6	3		
12	148	8	4			114	10	6			75	22	5			74	4	4			33	6	2			32	8	4			31	6	7			24	4	2		
13	148	4	4			112	8	4			75	18	8			70	9	2			33	6	2			32	6	4			36	7	7			26	5	4		
14	148	2	2			113	12	5			80	18	9			71	8	3			33	7	2			36	9	4			39	5	6			26	4	2		
15	150	2	2			112	8	8			82	15	12			70	8	2			35	9	3			50	7	8			42	4	5			27	7	3		
16	150	3	4			108	18	8			80	26	10			72	16	2			41	10	4			64	6	7			43	5	3			28	7	2		
17	148	6	3			114	11	5			93	19	6			88	11	7			45	11	6			71	8	6			45	2	3			28	13	3		
18	150	6	4			122	10	3			97	13	6			91	10	7			47	12	6			68	4	7			46	3	3			28	12	3		
19	150	5	3			126	6	4			99	10	6			92	7	5			49	14	4			71	6	3			47	2	4			26	2	2		
20	150	6	2			129	5	5			101	14	5			94	8	8			51	12	6			74	6	5			46	2	4			26	2	2		
21	150	6	2			130	6	6			103	10	5			98	7	8			52	15	7			78	6	9			44	5	3			24	4	2		
22	152	4	4			130	6	5			103	13	6			94	9	3			51	15	5			78	8	7			45	9	4			24	2	1		
23	150	6	2			128	5	2			105	12	8			84	12	4			51	16	5			55	29	7			43	8	2			24	2	2		

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month December 19 58

Hour (LST)	Frequency (Mc)																																							
	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	Fam	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fom	Du	Dl	Vdm	Ldm
00	150	5	1	11.0	15.0	130	8	5	13.5	20.0	108	12	8	12.5	17.5	86	13	8	10.0	15.0	52	13	4	5.5	10.0	52	9	4	7.0	11.0	42	4	1	5.0	8.0	25	0	2	3.0	4.5
01	152	2	2	11.5	16.0	130	10	4	13.5	20.0	106	12	5	13.0	19.0	83	12	4	10.5	15.5	50	14	4	8.0	12.5	52	6	4	5.0	11.0	42	6	2	4.5	8.0	25	0	2	3.0	4.0
02	150	4	0	11.5	15.0	132	6	5	14.0	20.0	108	8	8	12.0	18.5	84	10	7	11.0	17.5	50	16	4	9.5	14.0	52	9	2	7.0	11.0	42	3	2	4.5	6.0	25	0	2	1.5	3.0
03	152	2	3	13.5	17.5	132	3	7	14.5	21.0	106	8	6	13.5	21.0	82	7	5	12.0	19.5	48	15	4	9.5	14.5	51	11	5	6.5	10.0	40	3	5	4.0	6.5	25	0	2	1.5	3.0
04	152	3	3	13.0	18.0	130	9	4	15.5	21.5	104	10	4	15.0	21.5	81	9	5	11.5	16.0	48	13	4	13.0	17.0	50	8	4	8.5	13.5	36	8	2	3.0	4.5	25	2	2	1.0	3.0
05	152	3	4	13.5	18.0	128	10	4	15.5	22.0	102	10	6	15.0	20.0	78	9	8	*12.0	*17.0	46	13	4	9.0	14.0	69	7	7	*7.5	*14.0	38	5	2	5.0	7.0	25	2	0	1.5	3.0
06	151	3	3	13.0	17.5	121	7	6	14.5	20.5	88	12	8	14.5	19.5	76	7	6	8.5	13.5	46	14	4	8.0	11.5	62	6	10	*12.5	*18.0	42	6	2	6.0	8.5	25	2	0	3.5	5.0
07	148	2	3	13.5	17.5	114	6	7	15.0	20.5	82	12	10	*18.0	*22.5	72	5	2	10.0	15.0	38	8	2	9.0	12.0	48	5	8	8.5	13.0	41	3	3	4.5	6.0	25	2	2	4.0	6.0
08	148	2	4	14.5	20.0	106	14	2	*9.5	*13.0	*75			*9.0	*11.5	*70			*7.0	*11.5	34	4	4	*7.5	*9.5	32	13	2	*7.0	*9.0	*36					*23			*2.5	*4.5
09	*147			*14.5	*20.0	*108			*15.0	*21.0	78	16	6	*11.0	*12.0	74	4	4	*7.5	*13.0	*30			*5.5	*8.0	*30			*6.0	*8.0	34	6	2	*6.5	*9.0	25	4	2	*3.5	*5.0
10	148	3	4	16.0	20.5	110	12	5	17.5	23.0	78	16	5	11.5	13.0	70	4	4	10.5	13.0	32	2	2	*5.0	*7.5	28	7	3	7.0	9.5	32	8	2	*7.0	*10.0	23	4	0	3.5	5.0
11	148	4	4	17.0	22.0	112	8	6	17.0	24.0	78	16	6	15.0	18.0	70	10	2	9.0	13.0	32	3	3	*5.5	*8.0	28	4	2	6.5	8.5	32	4	4	*7.5	*9.5	25	4	4	5.0	6.0
12	148	4	4	16.0	21.0	112	6	6	16.5	21.5	76	12	6	*12.0	*13.0	72	6	4	9.0	12.5	32	4	2	7.5	10.5	28	4	4	8.0	10.0	30	4	2	*7.0	*8.5	25	4	2	4.0	5.5
13	149	3	5	14.0	19.5	114	6	6	13.0	17.5	76	12	8	9.0	10.5	72	6	6	*7.5	*10.0	32	2	2	*6.5	*8.5	30	4	4	6.5	9.5	34	2	6	*5.5	*7.5	25	4	2	2.5	4.0
14	152	2	8	13.5	17.5	116	6	12	12.0	16.0	76	13	7	9.5	10.5	70	15	4	9.0	12.5	34	4	2	*6.5	*9.5	34	10	6	7.0	10.5	38	5	5	7.0	8.5	27	4	2	2.5	4.0
15	150	4	4	12.0	16.5	110	12	8	13.0	17.5	80	14	8	11.0	15.5	72	4	4	9.0	13.5	34	7	4	*7.0	*9.0	48	10	8	8.0	13.5	44	2	4	5.0	8.0	29	2	2	*4.0	*6.5
16	150	2	4	10.5	15.5	112	14	12	14.0	18.0	86	18	9	17.0	19.5	76	10	6	10.5	15.5	40	6	2	8.5	11.5	64	6	6	*6.5	*10.5	46	6	4	*5.0	*8.0	29	6	2	3.5	5.5
17	150	2	4	11.5	16.5	118	10	8	14.5	19.5	92	16	8	13.0	16.5	86	10	8	8.5	13.5	44	13	4	*7.5	*10.0	71	5	7	*7.5	*13.0	48	4	4	5.5	8.0	31	4	4	*4.0	*6.0
18	151	3	5	12.0	17.5	122	8	4	13.5	18.0	96	14	8	14.5	20.0	92	4	10	9.5	14.5	48	14	6	7.5	10.0	66	6	8	*10.5	*16.0	47	5	3	5.0	7.0	30	5	3	3.5	5.5
19	152	2	4	13.0	18.0	126	6	6	12.5	16.0	98	14	6	12.0	16.5	92	10	10	*13.5	*17.5	52	10	6	*7.0	*10.5	72	6	10	9.0	15.0	47	3	3	4.5	6.5	27	6	2	3.5	5.0
20	152	3	4	12.0	17.5	130	2	6	13.0	18.0	102	10	8	11.0	17.0	90	14	6	10.0	15.5	52	16	6	5.5	8.5	72	6	6	*9.5	*14.5	46	2	2	4.5	7.0	25	6	0	*4.0	*5.0
21	152	2	4	11.5	16.0	128	12	4	11.5	17.5	104	11	8	12.5	18.0	96	8	8	8.0	12.5	52	6	4	7.5	10.5	74	6	8	8.5	15.0	44	4	2	5.0	7.5	25	3	2	2.5	4.0
22	150	6	2	12.0	16.0	128	11	2	12.0	17.5	104	15	8	12.0	17.5	94	10	6	10.5	17.0	52	14	4	8.5	11.0	74	7	8	*7.5	*12.0	46	4	2	5.0	8.0	25	2	2	2.5	4.0
23	152	4	2	11.5	15.5	130	6	5	14.0	19.5	105	13	5	11.5	17.5	86	9	7	9.0	13.5	54	12	6	8.5	12.0	58	20	10	7.5	11.5	44	2	2	5.0	7.5	25	2	2	2.5	3.5

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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month January 19 59

Hour (LST)	Frequency																																							
	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	2	2	10.5	15.0	130	4	5	11.5	17.5	105	10	5	10.0	16.0	82	10	3	9.0	15.0	52	8	5	5.5	9.0	50	7	4	5.0	8.5	48	12	5	4.0	7.0	24	5	0	1.0	2.5
01	153	4	2	10.5	15.0	132	3	6	11.0	17.0	105	6	6	9.5	16.0	82	8	5	11.0	16.5	49	9	2	5.0	9.0	50	6	5	6.0	9.0	48	12	4	4.0	6.0	24	11	0	1.0	2.5
02	153	2	2	10.5	15.5	130	4	4	12.0	17.5	107	4	6	12.0	18.0	82	6	6	11.0	17.0	49	8	4	6.0	9.5	50	4	5	5.0	8.5	43	13	5	4.0	8.0	24	0	0	1.0	2.5
03	153	2	2	11.5	17.0	130	5	6	12.0	18.0	104	7	5	12.0	17.0	80	8	6	9.5	14.5	49	5	4	7.0	10.5	48	9	4	6.0	8.5	40	14	4	3.0	5.5	24	0	0	0.5	2.5
04	153	4	2	11.5	17.0	128	6	3	12.5	19.5	101	6	4	10.5	19.0	78	5	2	7.0	13.0	49	8	5	*7.5	*11.0	50	5	6	6.0	9.0	36	8	2	2.5	4.5	24	2	0	1.5	2.5
05	153	2	4	13.0	18.0	128	5	4	13.5	19.5	100	5	7	12.0	20.0	76	9	4	8.0	12.5	47	9	4	9.0	13.0	68	8	8	*5.5	*13.5	40	4	6	4.5	7.0	24	2	0	1.5	3.5
06	153	2	4	12.0	17.5	120	7	3	14.5	19.0	89	13	4	15.0	20.5	80	10	4	8.5	14.0	45	9	4	6.0	9.0	66	3	10	*8.0	*15.0	40	8	4	4.0	6.5	24	2	0	2.0	4.0
07	149	4	2	12.0	17.0	114	7	6	13.0	18.5	81	21	10	10.5	11.0	72	7	3	7.5	12.0	39	5	2	7.5	11.0	42	10	5	*6.0	*10.0	42	5	4	4.0	6.0	24	4	2	3.5	4.5
08	149	3	3	12.0	18.0	106	9	5	14.0	19.5	*82			8.5	12.0	70	6	2	*9.0	*13.0	33	2	2	*6.5	*10.0	43	5	6	*8.0	*11.5	*38			*7.0	*8.5	*26			*3.0	*4.5
09	*149			13.0	19.0	*108			14.0	20.0	*75			*10.0	*11.5	74	8	4	*7.0	*13.0	*33			*5.5	*12.0	*27			*7.5	*10.5	*36			*6.0	*9.0	*24			*2.0	*4.0
10	149	2	2	14.5	20.5	108	16	3	14.5	20.5	77	24	7	12.5	11.0	72	10	6	9.0	14.0	31	4	4	*5.5	*7.5	28	2	4	*8.0	*11.0	32	9	4	*6.5	*7.0	24	6	2	*2.5	*4.0
11	149	4	6	15.0	20.0	110	10	6	15.5	22.0	73	18	5	*11.0	*12.0	70	6	2	6.5	11.0	31	4	2	*4.5	*7.0	28	4	4	6.0	8.0	32	9	6	*5.0	*6.5	24	2	4	*3.0	*4.0
12	147	4	3	15.0	21.0	112	5	7	15.0	21.5	76	17	5	*5.0	*8.0	74	7	3	8.5	13.0	33	4	4	7.0	10.0	28	5	5	6.0	9.0	28	8	4	4.0	6.0	22	6	0	2.0	3.5
13	149	2	5	14.5	21.0	112	8	6	13.5	20.0	71	16	2	*9.0	*10.5	72	7	2	*8.0	*13.5	33	5	4	5.0	7.5	28	6	3	*7.0	*9.0	30	4	5	3.5	5.0	24	4	0	2.0	4.0
14	149	2	4	13.5	20.0	110	9	7	13.0	19.0	75	18	6	*6.0	*10.0	72	6	4	7.5	12.0	33	5	2	5.5	8.5	28	5	3	5.5	7.5	36	6	6	7.0	9.0	24	4	2	2.5	5.0
15	149	4	3	13.0	19.0	108	12	6	13.5	18.0	75	30	6	8.0	11.0	74	4	6	8.0	14.0	33	4	4	5.5	8.5	36	8	7	*5.0	*8.0	43	3	5	5.0	6.5	26	6	2	2.5	4.0
16	151	2	4	11.0	16.0	106	23	4	12.0	18.5	81	23	4	14.0	15.0	74	9	4	10.0	15.0	39	8	4	8.5	11.5	54	7	9	*6.0	*11.5	46	6	4	4.0	8.0	28	7	2	2.0	4.5
17	149	4	2	11.0	16.5	114	14	5	13.5	19.5	90	19	5	12.0	18.5	86	9	10	11.0	18.0	43	10	4	9.0	12.0	66	7	7	8.0	14.5	51	7	5	4.0	6.5	28	9	2	3.0	4.5
18	153	1	4	11.0	16.5	122	4	5	11.5	17.5	95	14	6	11.0	16.0	88	9	8	9.0	15.0	47	12	4	8.0	10.5	62	10	5	7.5	12.0	54	6	8	4.0	7.5	28	9	2	2.0	4.0
19	153	2	2	11.0	17.0	126	4	4	10.0	16.0	97	11	13	8.5	14.5	88	6	6	8.5	10.5	49	12	4	7.0	10.0	70	4	10	*8.0	*13.0	52	9	7	3.0	6.0	26	9	2	1.0	3.0
20	153	2	4	11.0	16.5	128	5	4	9.0	14.0	99	12	6	9.0	14.5	94	8	12	8.5	13.5	51	8	4	5.0	8.5	70	6	8	*8.5	*15.5	52	8	6	4.5	7.0	24	4	0	1.0	3.0
21	153	3	2	11.0	16.5	128	6	3	10.5	15.0	101	10	4	9.0	14.5	96	10	11	9.0	14.0	51	10	4	7.0	11.5	70	8	4	*8.5	*14.5	52	8	7	3.5	6.0	24	3	0	1.0	2.5
22	153	2	2	10.0	15.0	130	4	5	10.0	15.5	105	8	8	10.5	15.0	96	8	9	*9.0	*15.0	57	11	4	*8.5	*12.5	74	6	10	8.5	12.0	58	7	5	*3.0	*6.5	24	5	0	1.0	3.0
23	153	2	2	11.0	15.5	130	4	4	11.0	17.0	105	6	6	10.0	16.0	84	10	4	9.0	13.5	51	10	4	8.5	12.5	56	20	8	*6.5	*10.0	60	9	7	*3.0	*7.0	24	2	0	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month February 19 59

Hour (LST)	Frequency																																							
	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	5	2	10.5	16.0	130	6	5	11.0	17.0	105	11	7	9.0	15.0	79	13	4	8.0	12.5	49	12	6	6.5	11.0	53	7	3	5.5	9.0	57	8	10	4.0	7.5	24	2	2	2.0	3.0
01	153	4	2	11.0	17.0	130	5	5	11.0	17.0	102	10	4	10.0	16.5	80	12	6	8.0	14.0	50	11	8	5.5	11.5	52	11	7	6.0	10.0	55	10	8	4.0	9.0	24	2	2	2.0	3.0
02	153	6	2	11.5	17.0	130	5	4	10.5	17.0	102	11	4	9.5	16.5	78	15	4	9.0	15.5	49	11	6	6.5	11.0	52	8	6	6.0	11.0	55	10	10	4.0	8.0	24	2	2	2.0	3.0
03	154	5	3	11.5	17.0	130	6	4	12.0	19.0	102	8	4	11.0	16.5	78	11	6	9.5	15.0	49	12	6	7.0	12.0	52	8	6	6.0	11.0	50	11	9	*3.5	*6.5	24	2	2	1.5	2.5
04	155	3	4	11.5	17.5	130	5	4	11.5	18.0	102	9	5	9.0	15.0	78	11	6	7.5	12.5	49	10	8	7.5	13.0	52	8	6	6.5	10.0	43	18	6	4.0	6.5	24	2	2	1.0	2.5
05	155	5	4	11.0	17.0	130	4	7	11.0	18.0	102	8	8	10.0	17.5	78	11	6	8.5	12.0	49	12	8	7.0	12.0	74	6	10	*9.5	*15.5	41	11	6	4.5	7.0	24	2	2	1.0	2.5
06	153	5	2	11.5	17.0	122	9	4	13.0	19.0	90	14	12	12.5	18.5	82	13	7	9.0	16.0	46	13	7	7.5	12.5	57	15	5	*5.5	*10.5	43	8	6	4.5	8.5	24	6	2	2.0	3.0
07	149	6	2	11.5	18.0	114	13	5	12.0	19.0	77	21	9	9.0	13.0	72	6	4	10.0	13.5	39	15	4	7.5	12.0	42	9	12	6.0	8.0	41	6	6	5.5	8.0	24	6	2	2.5	4.0
08	149	5	4	11.5	19.0	106	16	2	12.5	15.5	73	20	4	8.0	9.5	71	3	3	9.5	13.5	31	10	4	4.5	6.0	32	20	6	*9.0	*11.0	39	20	10	*5.0	*6.5	22	8	0	*2.5	*4.0
09	*149			*13.0	*20.0	*103			*14.5	*20.0	*72			*8.0	*13.5	*70			*7.0	*9.0	*31			*5.5	*7.0	*29			*12.0	*17.0	*34			*6.0	*7.5	*23			*3.0	*5.0
10	*149			*13.0	*19.5	*112			*14.0	*21.0	74	24	6	*7.5	*7.5	70	6	2	*10.5	*14.0	*31			*6.5	*8.5	*28			*11.0	*14.0	35	4	11	*8.0	*10.5	23	3	3	*4.5	*6.0
11	149	4	4	13.5	20.5	110	10	7	14.5	22.5	74	21	5	*7.5	*9.0	72	4	4	*5.5	*10.0	29	6	3	*4.0	*6.0	30	3	7	*8.0	*11.0	29	8	6	*5.0	*5.5	22	4	2	3.0	5.0
12	149	4	7	14.0	20.5	111	9	4	13.5	20.0	72	20	4	*8.5	*8.0	72	8	2	*8.0	*11.0	28	6	2	*3.5	*6.0	30	4	4	10.0	13.0	27	12	2	*3.0	*4.0	22	4	2	3.0	5.5
13	149	4	4	13.5	21.0	114	6	6	12.0	18.0	74	16	6	6.5	8.0	72	6	4	7.0	12.0	29	9	2	4.5	7.0	30	2	6	8.0	10.5	29	10	4	*7.0	*7.5	22	4	2	2.5	4.0
14	151	3	6	12.0	19.0	112	10	8	10.0	18.0	76	14	6	6.0	7.0	70	6	4	6.0	10.0	31	4	6	6.0	8.0	30	2	4	7.5	9.5	35	4	4	*5.0	*8.0	22	4	2	3.0	5.0
15	151	4	2	10.0	17.0	111	11	5	10.0	15.0	72	18	4	6.5	7.5	70	4	2	6.5	10.0	30	8	4	*5.0	*7.0	32	6	7	6.0	10.0	39	6	4	*7.0	*12.5	26	2	2	4.0	6.0
16	153	2	6	10.0	16.5	108	10	6	9.5	15.0	75	19	7	9.0	10.5	72	6	4	8.5	10.0	37	4	4	8.0	12.0	46	6	10	*8.0	*14.0	47	6	6	*4.5	*7.5	28	2	4	3.0	5.0
17	151	4	4	9.5	15.0	110	18	8	11.5	15.0	82	18	6	9.0	13.5	76	6	2	7.0	10.5	39	8	4	8.0	11.0	64	8	14	*7.0	*12.5	51	6	6	3.5	6.0	26	4	2	3.5	6.0
18	151	6	2	9.5	15.0	118	14	4	10.0	17.0	94	13	8	10.5	16.0	78	8	4	7.0	11.0	43	7	5	8.0	11.5	64	6	6	8.0	14.0	55	8	10	*4.0	*8.0	28	2	4	4.5	6.5
19	153	6	2	9.0	15.0	126	6	6	8.0	15.0	94	17	6	9.0	15.0	84	10	6	8.0	12.0	45	13	4	6.5	10.0	68	10	6	*8.0	*15.0	54	9	5	*5.0	*8.5	28	2	4	3.5	6.0
20	155	4	4	10.0	16.0	128	6	6	9.0	15.0	98	11	8	7.5	13.0	86	8	6	7.0	11.5	47	9	6	6.5	10.0	71	7	9	*7.0	14.0	55	8	10	4.5	8.0	24	4	2	3.5	5.0
21	155	4	4	10.0	16.0	130	4	4	9.0	16.0	100	12	6	8.0	12.5	90	6	8	9.0	12.0	47	12	4	6.5	10.0	72	6	10	*8.5	12.0	58	5	15	3.0	7.0	24	2	2	3.5	4.5
22	153	6	2	11.0	16.0	128	7	4	10.5	17.0	101	14	6	8.0	14.5	88	5	6	9.0	13.0	47	13	6	6.5	10.5	78	4	6	*6.0	11.5	57	9	12	4.0	7.5	24	3	2	3.0	5.0
23	153	6	2	10.5	16.0	129	5	3	10.0	17.5	102	12	6	9.0	16.0	84	7	6	7.0	12.0	47	16	4	5.5	10.5	57	23	7	5.0	8.0	55	8	10	5.5	8.0	24	4	2	3.0	4.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

RADIO NOISE DATA

Station PRETORIA, S.AFRICA Lat. 25.8S Long. 28.3E Type Recorder ARN-2 Month FEBRUARY 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
51 kc *																								
F_{am}	130	132	130	129	128	124	118	118	114		104	118	122	138	148	151	148	147	145	138	135	136	132	132
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
113 kc *																								
F_{am}	117	116	115	110	109	99	93	85	89		75	91	101	123	135	135	136	132	135	131	125	119	115	116
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
246 kc *																								
F_{am}	104	104	104	102	98	96	75	74	74		74	74	82	108	124	123	125	122	122	116	104	105	102	104
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
545 kc																								
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
2.5 Mc *																								
F_{am}	63	61	60	62	63	63	45	39	38		34	38	40	60	70	72	82	80	78	76	70	70	69	64
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
5 Mc *																								
F_{am}	52	52	54	54	54	54	44	31	26		26	26	26	45	54	64	65	58	65	62	57	55	56	55
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
10 Mc *																								
F_{am}	42	42	40	40	41	41	40	31	24		22	16	16	32	38	40	48	53	51	48	44	43	43	45
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
20 Mc *																								
F_{am}	27	27	27	25	25	26	28	26	26	27	21	23	25	25	31	33	53	39	37	34	31	30	29	29
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station PRETORIA, S.AFRICA Lat. 25.8S Long. 28.3E Type Recorder ARN-2 Month MARCH 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	132	134	133	132	132	130	124	118	116	*118	118	122	125	134	138	138	140	140	139	138	140	138	137	134
D_u	10	8	5	6	4	4	8	12	13		18	14	17	8	10	10	10	11	11	12	7	10	9	10
D_ℓ	6	8	7	4	6	6	6	10	11		12	14	9	14	12	10	10	14	16	11	9	6	7	8
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	118	117	117	115	115	111	102	95	86	*98	93	97	105	117	121	124	125	125	123	125	125	122	121	119
D_u	13	10	6	10	8	8	14	18	24		26	31	22	10	17	11	13	13	14	11	8	11	10	14
D_ℓ	9	8	8	6	8	4	10	18	13		13	15	16	24	22	30	15	18	16	16	12	9	8	8
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	106	106	104	102	100	98	80	78	76	76	76	76	90	102	102	108	108	108	107	108	108	108	106	106
D_u	12	8	7	12	10	6	14	12	16	17	28	35	31	15	18	14	14	16	17	14	10	14	16	14
D_ℓ	8	8	6	6	8	8	4	4	1	7	2	4	18	28	26	29	26	26	21	16	10	10	8	8
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	69	68	66	66	66	66	48	41	40	*38	40	42	42	47	53	54	57	60	62	71	73	74	72	70
D_u	9	8	8	10	8	10	19	10	5		14	18	21	34	22	18	17	18	18	5	5	4	6	6
D_ℓ	11	10	9	6	8	10	11	5	4		2	4	2	9	13	14	19	22	6	13	10	14	12	12
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	58	58	56	56	58	55	52	38	26	*26	28	28	28	36	32	41	48	52	56	60	62	60	60	58
D_u	7	9	10	10	7	8	6	8	10		13	8	22	16	18	11	12	8	6	4	4	6	6	4
D_ℓ	9	10	7	6	9	5	14	12	2		4	4	2	10	6	15	18	20	14	10	10	8	8	9
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	49	50	48	46	46	44	46	40	33	*22	22	22	24	36	36	42	46	48	52	52	52	50	50	50
D_u	7	3	3	4	2	7	6	6	9		17	17	20	11	11	6	4	6	2	4	4	4	2	4
D_ℓ	5	6	6	4	6	6	3	6	6		4	7	6	15	16	16	12	8	6	6	8	4	6	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	29	29	29	29	29	29	31	29	27	23	25	25	25	27	29	33	35	35	35	35	33	31	31	30
D_u	4	2	3	5	2	2	4	4	2	10	6	9	8	17	4	5	2	4	2	2	4	6	4	3
D_ℓ	2	6	5	4	7	4	6	2	2	2	6	6	6	4	4	6	4	4	4	4	4	2	2	3
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station PRETORIA, S.AFRICA Lat. 25.8S Long. 28.3E Type Recorder ARN-2 Month APRIL 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{om}	132	133	132	134	132	130	127	124	*126	*124	*122	122	120	128	126	130	131	128	130	132	132	132	132	132
D_u	10	9	4	14	7	5	5	9				12	11	9	13	15	16	19	17	14	4	14	4	9
D_ℓ	6	7	5	9	6	8	9	12				10	6	8	5	6	8	8	8	7	6	4	6	6
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	115	118	116	116	117	114	108	106	101	*107	*107	*97	100	104	98	110	116	112	112	116	117	116	118	116
D_u	17	9	15	15	10	11	22	12	16				30	18	41	27	26	27	22	13	9	16	11	9
D_ℓ	7	10	8	10	10	10	15	22	18				14	17	16	20	28	24	17	13	12	10	9	8
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	104	104	106	106	104	100	86	84	*82	*80	*79	75	78	82	84	89	99	96	101	100	100	106	106	103
D_u	17	15	12	9	10	9	14	16				16	25	31	40	31	11	11	17	13	15	13	11	14
D_ℓ	10	8	10	13	11	13	9	7				1	5	8	12	16	26	21	15	7	3	8	7	7
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	*93	91	*93	*91	*90	87	67	61	61	*61	*60	61	59	63	70	71	77	79	86	89	89	93	91	*89
D_u		16				16	16	12	20			32	27	33	35	33	27	12	14	16	23	16	18	
D_ℓ		4				8	12	3	4			4	3	8	13	14	20	20	5	4	0	6	4	
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	67	67	67	67	65	65	51	41	39	*43	*39	39	40	46	43	51	56	55	67	69	69	68	69	68
D_u	10	10	9	9	10	9	27	42	37			27	26	21	29	24	16	30	12	10	14	11	9	10
D_ℓ	8	10	10	12	8	12	14	6	4			4	5	11	8	16	21	14	14	14	12	11	9	11
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	56	60	57	58	55	55	55	42	37	*42	*27	24	27	31	31	37	44	53	60	61	61	57	59	60
D_u	12	9	9	9	11	12	12	17	16			40	27	25	32	26	21	17	12	12	12	19	11	11
D_ℓ	12	14	10	12	7	9	14	15	16			5	8	11	12	16	23	20	19	18	19	13	16	14
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	42	42	40	40	40	38	42	38	*30	*31	28	25	25	29	34	38	43	46	46	48	45	44	44	42
D_u	1	5	3	2	2	6	4	6			4	8	11	12	10	8	7	6	8	6	9	10	7	4
D_ℓ	4	5	3	2	4	8	5	6			8	6	7	10	16	14	11	6	11	13	7	8	4	2
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	30	28	28	26	28	28	28	28	28	*30	24	24	25	26	30	32	34	34	34	33	32	32	31	30
D_u	2	2	2	4	2	2	3	5	7		8	6	5	4	4	6	7	6	5	5	6	4	4	2
D_ℓ	4	2	2	0	3	3	2	4	4		6	3	5	2	4	4	4	2	2	3	4	4	4	4
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station PRETORIA, S. AFRICA Lat. 25.8 S Long. 28.3 E Type Recorder ARN-2 Month MAY 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	130	129	130	128	128	128	125	122	118	112	110	108	114	116	118	119	118	117	123	125	127	130	130	130
D_u	>2	>3	>2	>4	>4	>4	>7	>10	13	20	18	18	16	14	11	12	14	>14	>8	>7	>5	>2	>2	>2
D_ℓ	11	12	11	10	10	10	9	13	14	14	10	9	14	10	10	8	6	8	15	13	11	12	12	10
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	113	116	116	113	114	110	100	99	98	97	90	88	86	90	96	100	103	101	104	109	110	114	114	116
D_u	10	7	8	12	>10	12	22	20	15	23	24	26	26	23	18	14	13	15	15	13	12	10	7	6
D_ℓ	10	12	15	12	14	10	9	19	18	17	10	8	6	10	16	17	22	21	20	15	11	14	12	14
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	105	104	103	103	98	101	79	77	77	79	77	77	77	79	80	80	84	83	93	97	97	99	103	103
D_u	>2	>3	>6	>6	>11	>6	19	21	18	19	16	15	15	12	13	17	18	18	12	10	11	>8	>4	>4
D_ℓ	18	16	15	16	12	12	4	2	2	4	4	4	3	4	5	5	6	10	13	11	10	8	16	14
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	>89	>89	>89	>89	89	87	61	63	61	61	61	59	59	61	61	61	61	77	85	89	>89	>89	>89	>89
D_u					>0	>2	16	10	9	10	6	8	6	12	17	17	21	>12	>4	>0				
D_ℓ	>5	>5	>7	>7	12	11	2	6	2	3	2	0	1	2	2	2	2	18	10	11	>7	>8	>6	>7
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	60	65	66	64	62	60	59	46	40	40	40	38	40	40	38	40	41	42	54	64	65	66	66	66
D_u	7	10	8	12	12	13	17	16	11	2	2	4	2	2	6	6	9	16	14	7	8	9	10	9
D_ℓ	11	9	10	8	7	6	8	6	2	4	2	2	4	4	2	4	4	2	9	15	12	12	12	11
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	55	55	53	55	55	51	50	40	29	29	23	23	22	23	26	29	36	42	50	54	54	55	55	55
D_u	8	6	8	6	7	13	14	17	17	16	12	14	13	14	13	18	15	21	12	9	9	9	9	9
D_ℓ	10	9	8	9	10	6	7	6	4	8	2	2	2	4	5	8	14	11	12	12	10	12	10	10
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	36	36	36	36	33	33	37	37	34	23	22	22	24	28	30	31	36	40	42	42	44	41	38	36
D_u	4	4	5	3	5	5	5	2	10	21	12	16	16	13	12	12	10	9	8	8	5	5	8	7
D_ℓ	4	4	4	4	3	3	3	7	10	6	5	6	8	8	11	8	6	6	6	6	7	5	2	2
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	28	28	28	28	28	28	28	28	28	26	21	22	24	26	28	28	30	30	31	30	29	28	28	28
D_u	2	2	2	2	2	2	4	9	6	6	6	4	9	10	8	8	6	8	4	5	3	4	4	2
D_ℓ	2	2	2	2	2	2	0	2	6	6	2	4	6	6	5	4	4	2	3	2	3	2	2	2
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station PRETORIA, S. AFRICA Lat. 25.8 S Long. 28.3 E Type Recorder ARN-2 Month JUNE 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	120	124	124	124	125	123	120	114	110	*110	105	106	110	114	114	114	114	112	113	120	122	122	122	122
D_u	10	6	8	6	10	9	6	11	12		12	12	8	6	6	6	8	11	13	8	6	8	8	8
D_ℓ	2	4	4	4	4	3	4	6	8		6	4	6	8	7	6	6	6	7	6	6	4	4	4
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	106	106	106	108	106	106	102	89	*90	*90	89	84	89	87	85	90	*87	90	92	100	102	104	104	106
D_u	10	10	10	8	10	8	4	9			9	20	12	17	17	12		20	20	15	11	8	10	10
D_ℓ	6	6	6	8	6	4	13	9			9	4	9	7	5	10		10	6	6	4	6	4	8
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	92	94	94	93	95	93	80	75	75	77	75	75	75	75	75	75	75	79	81	87	89	89	90	91
D_u	13	11	11	10	8	6	11	8	8	9	10	12	13	13	12	12	14	8	15	9	9	12	13	14
D_ℓ	9	11	9	8	10	6	5	2	0	4	2	2	0	1	2	2	2	6	8	8	8	6	9	8
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	89	88	88	86	84	81	60	60	*60	60	60	60	60	60	60	60	60	62	72	78	80	82	84	84
D_u	9	6	6	6	8	5	12	6		9	6	6	4	2	5	4	4	6	10	14	13	14	13	12
D_ℓ	11	8	10	10	8	7	2	2		2	2	2	2	2	2	2	2	4	8	6	8	6	6	4
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	60	60	60	60	58	58	54	44	42	*42	40	40	40	40	40	40	42	44	50	54	56	58	60	60
D_u	9	8	10	6	7	7	9	6	2		4	4	4	4	3	3	6	7	10	11	10	10	8	9
D_ℓ	6	7	6	6	5	7	10	4	2		2	2	2	2	1	2	2	4	6	4	4	5	6	6
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	48	48	48	50	48	48	50	42	36	28	28	28	26	26	28	30	32	38	46	48	48	46	48	48
D_u	9	9	9	8	7	8	6	4	4	8	6	6	10	8	7	5	6	13	8	7	6	10	6	8
D_ℓ	3	3	4	5	6	4	7	6	10	4	6	6	4	4	5	8	7	6	4	4	5	2	4	3
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	33	33	33	33	32	31	33	35	27	23	23	21	21	23	25	27	35	39	40	39	39	37	37	37
D_u	7	4	4	3	4	4	8	6	3	9	10	8	8	10	9	9	5	6	4	5	5	4	5	3
D_ℓ	2	2	2	4	3	2	4	5	2	4	4	4	4	4	7	5	4	4	3	2	3	2	2	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	28	26	28	28	28	28	28	26	24	22	22	22	22	22	24	26	28	30	28	28	28	26	28	28
D_u	0	2	0	0	2	2	2	5	6	6	4	2	2	6	5	5	5	2	3	2	1	3	0	0
D_ℓ	2	0	2	2	2	2	2	2	4	1	4	2	2	0	2	2	2	3	0	2	3	1	2	2
V_{dm}																								
L_{dm}																								

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month July 19 58

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					* 20 Mc				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	122	14	3			105	14	6			93	14	8			85	14	4			60	3	13			46	10	4			*32					24				
01	122	14	4			107	14	11			93	16	8			85	16	4			59	6	10			46	10	2			32	6	4			25				
02	122	16	4			107	15	9			94	15	9			85	18	6			59	6	10			46	10	4			30	6	2			25				
03	124	13	6			107	17	8			94	17	9			85	16	4			59	6	12			48	8	6			30	8	2			24				
04	124	14	6			107	16	6			94	17	9			83	12	8			57	11	10			48	8	4			30	6	2			27				
05	124	14	4			105	18	6			94	15	9			79	22	8			*57					46	6	4			30	4	2			23				
06	120	14	4			99	24	10			89	12	8			63	18	8			*49					*44					*34					30				
07	114	18	4			80	32	9			84	9	19			59	7	4			41	10	11			40	10	10			36	8	8			22				
08	108	24	6			81	32	12			84	8	19			61	7	6			*37					*28					*30					21				
09	*104					*79					*85					*60					*38					*30					*24					23				
10	106	20	8			77	37	8			85	7	17			57	10	2			*35					*21					*22					21				
11	106	21	8			76	35	5			84	8	20			59	8	4			*37					*23					*22					21				
12	112	11	10			80	32	10			86	9	7			57	12	1			*37					*24					*22					21				
13	114	11	10			77	35	6			85	6	11			59	9	3			*39					*24					*24					23				
14	113	14	5			77	32	6			83	11	6			59	7	4			*42					*24					*23					21				
15	113	14	5			79	30	8			83	7	9			59	5	5			*39					*24					*28					25				
16	114	14	8			79	26	10			85	6	4			59	6	4			*39					*24					*36					25				
17	114	15	8			78	31	9			85	6	11			62	21	7			43	12	11			40	14	14			40	4	8			25				
18	114	14	8			97	12	16			86	11	9			77	14	10			*49					*50					*39					27				
19	118	14	7			102	12	13			89	12	14			79	16	8			*54					*50					*38					26				
20	120	16	6			101	15	8			87	16	12			81	18	4			55	4	10			*48					*38					24				
21	122	10	6			103	14	10			91	14	10			79	16	2			*57					48	4	6			34	6	0			25				
22	122	12	6			105	12	9			91	14	8			84	15	5			59	8	10			48	4	4			36	2	6			25				
23	122	18	4			105	8	10			91	12	6			83	16	2			59	6	10			*47					*34					25				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Afr. Lat. 25.8 S Long. 28.3 E Month August 19 58

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					* 20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	122	8	10			101	12	12			97	8	8			81	6	12			57	6	6			49	6	6			36	6	4			26				
01	122	6	9			101	6	8			99	8	10			81	6	12			57	4	8			49	4	4			35	8	4			26				
02	120	8	9			101	8	9			99	6	8			80	7	11			57	4	6			49	4	2			37	5	7			26				
03	120	6	6			101	6	8			99	4	10			77	8	10			55	6	4			49	4	4			33	9	5			24				
04	118	8	8			101	4	8			99	4	8			75	9	13			54	7	3			51	2	8			32	8	4			24				
05	118	8	10			97	10	8			99	6	8			73	12	18			55	5	9			49	4	6			30	10	2			24				
06	118	6	9			89	12	12			93	4	12			55	4	2			47	7	12			45	6	4			34	8	3			24				
07	112	8	10			77	21	6			87	10	6			55	2	2			37	5	4			29	5	4			30	11	4			24				
08	110	10	10			73	16	4			91	8	8			57	2	2			39	4	6			25	2	2			26	8	4			22				
09	*107					*70					*93					57	2	4			*40					*25					*24					24				
10	106	7	6			75	18	6			90	8	13			55	2	0			41	4	6			23	4	4			22	7	6			22				
11	106	17	9			73	25	2			91	6	11			57	2	2			40	5	3			25	3	4			22	6	8			22				
12	110	16	8			75	22	6			91	6	11			55	4	0			41	4	5			23	4	2			20	6	4			22				
13	112	11	4			77	20	6			91	6	12			55	4	0			43	2	4			25	5	4			24	2	4			24				
14	116	9	8			79	14	6			91	6	12			55	4	0			41	5	5			25	6	3			26	4	8			25				
15	118	6	8			79	16	8			93	2	14			55	2	0			41	2	6			23	8	2			26	6	6			26				
16	118	8	7			79	18	8			93	2	13			55	3	0			41	3	5			25	5	2			32	9	4			28				
17	118	7	5			79	20	6			89	6	10			55	8	1			41	4	4			31	12	5			36	4	4			28				
18	120	6	7			89	16	10			90	5	11			59	22	6			45	9	6			43	10	5			40	3	2			30				
19	121	3	5			93	12	8			90	10	9			69	15	8			53	6	6			47	9	3			41	4	3			28				
20	122	7	6			98	10	8			93	11	6			75	12	6			55	7	6			49	9	4			40	2	3			26				
21	122	6	7			99	10	5			95	11	6			79	8	8			59	4	5			48	9	3			40	4	2			28				
22	121	7	6			101	10	6			97	8	8			77	10	6			59	5	9			49	8	4			40	6	3			26				
23	122	8	10			101	10	9			97	8	8			81	6	10			58	7	7			51	6	6			37	8	5			26				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, South Africa Lat. 25.80 S Long. 28.3 E Month September 1958

Frequency (Mc)

Hour (LST)	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	132	8	8			128	10	14			103	13	11			92	12	8			62	12	6			56	9	6			43	6	2			29	25	4		
01	133	7	11			116	12	12			101	13	11			91	13	7			62	11	7			60	3	12			43	4	6			27	32	2		
02	131	9	7			114	14	12			98	12	6			90	16	6			62	10	7			56	7	7			43	4	4			25	29	2		
03	130	10	8			114	8	10			96	14	6			90	12	8			60	11	4			56	6	6			43	4	4			25	27	2		
04	130	8	8			112	14	10			96	16	8			88	14	8			60	11	5			58	4	6			43	2	6			24	29	1		
05	128	10	10			110	14	10			94	14	10			80	12	20			59	12	7			54	10	5			43	2	6			25	27	2		
06	124	12	10			110	10	26			90	14	10			58	28	4			50	16	8			54	5	11			43	6	4			31	30	4		
07	124	14	18			108	14	34			86	14	16			60	24	6			45	11	6			46	10	15			41	8	12			28	2	3		
08	124	14	22			112	12	40			86	16	11			67	20	13			42	11	7			41	9	13			34	12	11			25	4	2		
09	*132					*110					*94					64	33	8			*40					*34					*38					*23				
10	130	11	26			108	19	39			86	26	10			59	37	7			41	19	6			33	13	5			31	11	10			*26				
11	128	12	17			108	22	32			85	31	15			64	42	13			42	21	10			30	17	4			25	18	6			25	8	4		
12	128	16	14			110	22	30			90	26	18			72	30	20			40	30	6			28	27	2			29	14	10			25	6	4		
13	128	16	10			111	21	29			93	23	23			74	33	22			44	27	12			30	23	4			33	10	10			28	9	3		
14	130	16	10			111	27	23			90	31	20			70	40	20			42	22	9			32	26	6			34	11	15			29	10	2		
15	128	20	6			108	28	22			89	35	17			70	31	20			42	39	9			34	25	8			37	12	12			31	4	1		
16	129	17	9			114	26	34			90	27	17			62	38	12			41	30	10			39	18	10			43	8	12			33	9	2		
17	126	16	8			114	16	28			88	24	10			62	32	10			46	15	8			50	12	16			47	6	10			35	12	4		
18	128	16	8			110	18	20			93	17	15			80	18	16			55	17	11			56	8	12			48	5	7			35	3	4		
19	132	10	12			112	16	12			94	18	10			84	18	6			64	10	12			59	8	11			49	4	6			35	5	4		
20	132	12	8			112	19	10			96	18	8			91	11	11			64	10	7			60	6	11			49	4	8			33	5	3		
21	131	11	7			112	16	8			100	16	10			92	10	8			66	10	7			60	6	11			49	6	8			31	9	2		
22	130	12	8			112	18	8			100	16	10			90	16	8			66	10	8			58	9	10			47	6	6			31	5	3		
23	131	11	9			114	14	10			102	14	10			91	13	7			64	12	8			58	7	9			47	8	6			30	8	2		

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month October 1958

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	134	10	8			118	16	10			104	16	6			94	10	8			63	10	7			56	11	5			44	4	4			27	2	2		
01	134	8	10			118	10	12			102	12	6			94	8	8			*61					54	10	6			42	4	2			*25				
02	134	8	8			115	9	11			102	10	14			92	6	8			59	8	2			54	8	4			*44					*25				
03	132	6	8			115	7	11			98	10	4			90	6	8			*59					*56					*42					*23				
04	130	10	6			112	10	8			98	6	8			87	7	7			59	4	2			*52					*41					*26				
05	128	8	6			108	10	10			88	6	14			65	13	7			57	6	6			*52					42	2	2			*25				
06	122	12	6			93	27	13			72	24	10			58	18	2			*47					*40					*38					*27				
07	118	14	6			94	24	18			75	19	13			60	18	4			*45					*34					*30					*25				
08	116	16	6			90	28	16			70	24	6			60	11	2			*51					*30					*23					*23				
09	*116					*91					*78					*58					*50					*30					*34					*23				
10	114	16	9			90	25	14			69	20	8			58	9	2			48	3	5			30	8	2			*24					*23				
11	117	17	8			90	18	12			72	16	10			60	16	4			47	4	4			*30					*20					*27				
12	120	14	12			96	20	16			79	27	15			62	26	6			49	3	6			28	11	2			22	9	4			*23				
13	124	16	11			108	18	22			92	20	28			76	22	18			47	4	4			29	12	3			26	10	8			26	9	3		
14	132	10	18			118	10	32			102	14	38			83	21	25			49	12	6			36	20	10			38	4	18			*28				
15	136	12	14			122	14	34			106	20	40			86	28	28			47	21	4			40	26	12			40	15	16			30	9	3		
16	139	13	13			124	14	29			106	14	34			88	17	30			50	21	7			45	21	17			42	12	10			*33				
17	136	12	18			124	14	28			105	13	33			87	21	29			51	27	8			49	26	15			46	4	7			33	4	2		
18	138	10	18			123	11	27			100	16	18			88	14	12			59	12	12			56	8	10			48	5	5			33	2	2		
19	134	16	12			124	10	20			105	11	15			92	14	12			69	8	10			58	10	14			48	4	4			*31				
20	136	16	8			122	16	14			106	18	14			96	16	10			68	7	7			60	8	9			48	7	4			33	10	4		
21	138	12	10			124	16	16			107	21	15			98	18	12			68	9	9			60	10	10			47	7	5			*31				
22	137	19	11			122	27	16			110	12	14			97	9	11			69	14	8			*60					45	7	5			31	2	4		
23	138	8	12			122	12	14			106	14	8			94	14	8			*65					59	10	7			*47					*29				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month November 19 58

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	137	13	4			125	15	8			108	15	8			98	12	8			67	10	10			59	10	4			49	14	6			*29				
01	138	14	6			122	17	8			107	17	9			96	13	9			69	16	12			57	10	6			*45					*29				
02	139	6	6			122	10	7			106	17	6			94	14	6			*70					57	8	4			46	7	3			29	4	4		
03	137	8	6			121	10	6			104	14	7			92	12	6			67	10	8			57	8	3			45	6	4			25	2	0		
04	133	8	4			120	9	8			102	10	8			88	11	9			63	12	6			55	8	4			*43					25	4	2		
05	127	11	5			110	15	11			87	23	18			60	28	6			*54					53	6	8			43	2	2			25	4	2		
06	129	8	10			108	13	18			80	25	15			58	24	4			*41					*39					39	6	4			27	2	2		
07	125	9	10			102	20	16			74	29	10			58	12	4			*37					*30					*33					25	4	0		
08	122	9	10			100	15	17			75	17	13			58	18	4			37	12	2			*25					*25					23	4	0		
09	*123					104	10	18			72	16	6			57	17	3			*37					*27					*25					*23				
10	125	9	9			107	13	16			81	22	14			58	27	4			37	4	4			*25					23	10	4			23	8	0		
11	129	6	8			107	16	11			83	23	15			64	30	10			39	7	4			25	10	2			27	4	8			23	6	0		
12	133	12	6			114	18	9			96	20	17			82	17	25			42	11	7			27	16	5			31	12	8			27	2	2		
13	137	11	4			124	12	16			108	14	28			92	10	34			50	11	15			35	19	12			37	6	10			29	4	2		
14	142	9	7			131	7	18			115	8	29			95	14	35			56	15	20			41	14	18			41	6	8			31	5	2		
15	145	5	10			134	6	20			114	8	25			88	10	33			63	9	25			48	15	21			*43					33	2	2		
16	145	6	10			132	8	17			114	11	27			95	15	33			55	13	16			49	8	15			47	4	4			33	3	4		
17	143	8	11			132	7	19			113	12	25			94	16	30			56	14	15			51	6	6			*48					*33				
18	143	11	8			130	13	16			111	19	18			94	22	19			65	12	10			59	7	6			*51					35	3	3		
19	144	8	8			130	10	10			111	16	13			96	16	13			69	11	6			63	2	6			51	4	2			*33				
20	141	13	6			126	18	7			110	17	12			98	17	13			71	8	6			61	4	6			51	4	4			33	6	2		
21	142	15	9			126	17	9			108	19	10			98	13	10			71	8	7			61	6	4			*49					*31				
22	140	11	7			127	15	9			108	22	8			96	21	6			*71					61	17	6			*49					*31				
23	138	15	4			122	17	5			110	14	8			98	12	8			69	9	4			61	8	8			49	8	4			31	4	4		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month December 19 58

Hour (LST)	Frequency																			
	51 kc					113 kc					246 kc					545 kc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	135	8	13			117	13	15			92	20	8			83	14	8		
01	134	11	13			116	14	14			96	12	12			81	14	6		
02	133	10	12			117	13	15			96	19	10			85	6	14		
03	133	10	12			115	13	11			95	9	9			81	12	10		
04	132	9	13			115	9	13			94	10	14			77	10	10		
05	127	10	16			106	14	14			78	18	14			51	26	6		
06	123	10	12			98	20	16			68	24	12			49	24	4		
07	121	12	14			96	20	16			68	24	12			47	26	2		
08	123	6	18			94	15	21			68	22	12			47	22	2		
09	*122					94	26	16			66	27	10			47	29	2		
10	125	17	13			101	22	22			68	34	12			49	38	4		
11	126	19	11			108	26	14			84	26	20			66	33	21		
12	135	14	14			119	17	21			96	18	28			81	18	36		
13	137	12	10			120	16	16			98	14	26			83	16	34		
14	139	12	10			126	10	18			102	16	26			86	19	33		
15	140	13	9			124	20	16			104	18	32			85	34	32		
16	141	14	12			121	15	11			97	25	25			85	24	32		
17	139	10	10			121	16	10			100	18	30			81	24	26		
18	137	18	10			118	14	10			94	14	24			76	17	17		
19	137	6	10			118	16	10			95	11	13			76	13	5		
20	137	8	7			120	5	10			96	10	10			83	12	10		
21	137	8	9			120	4	10			94	12	8			83	16	6		
22	135	6	8			114	12	6			94	14	8			83	16	4		
23	137	8	13			117	9	15			94	18	8			85	18	8		

Hour (LST)	Frequency																			
	2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	61	8	8			56	2	32			45	2	4			26	8	2		
01	59	8	6			56	4	4			44	3	5			25	3	1		
02	59	6	8			56	4	4			43	4	4			24	4	2		
03	57	8	6			56	4	6			41	4	2			24	2	2		
04	55	8	6			54	4	4			40	3	3			24	2	2		
05	47	4	10			50	6	10			41	2	4			24	2	2		
06	35	6	12			36	10	9			37	6	4			26	2	2		
07	31	8	7			30	8	6			30	9	3			24	2	2		
08	31	6	7			28	6	4			24	10	3			24	0	2		
09	33	16	12			27	3	3			23	8	5			22	3	0		
10	33	26	6			26	17	3			27	9	8			22	4	0		
11	31	30	6			27	25	3			29	6	6			24	2	2		
12	33	30	4			30	22	6			33	4	12			24	4	2		
13	49	18	18			32	26	8			35	8	12			26	8	2		
14	55	18	26			41	21	15			39	16	14			28	10	4		
15	48	33	17			40	26	14			43	14	14			30	20	4		
16	47	33	18			46	21	16			43	18	6			30	17	2		
17	47	27	16			52	15	13			47	8	4			30	12	2		
18	53	16	15			56	10	8			49	2	4			30	2	2		
19	61	10	10			60	4	4			49	2	4			30	3	2		
20	62	9	3			60	4	4			47	4	4			30	2	2		
21	63	10	6			60	4	4			45	4	2			30	4	2		
22	62	9	5			58	12	2			45	4	4			28	2	4		
23	61	10	6			57	5	3			45	6	4			28	2	4		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month January 19 59

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	137	11	4			124	11	7			108	12	8			97	8	6			68	8	10			62	5	5			47	2	4			26	11	2		
01	139	10	8			122	12	5			108	13	7			97	8	11			68	8	8			60	7	6			45	4	5			27	16	4		
02	139	5	9			124	6	7			108	7	8			95	10	10			68	6	8			60	8	4			43	6	2			25	6	2		
03	137	6	6			122	6	8			106	8	8			94	7	9			66	6	7			64	2	8			43	5	3			25	4	2		
04	137	6	9			120	8	8			104	8	6			91	6	10			64	7	8			58	7	4			41	5	4			25	3	4		
05	131	6	6			115	9	17			92	14	20			73	26	18			58	8	10			54	8	7			43	3	4			25	5	2		
06	129	6	8			108	12	20			80	18	14			59	26	8			42	15	4			43	8	13			41	5	6			25	8	1		
07	124	7	7			106	8	24			76	18	8			59	17	6			40	11	1			34	10	8			31	10	6			25	6	2		
08	119	10	6			96	18	12			72	21	6			59	9	6			38	3	5			28	5	2			27	10	10			25	9	4		
09	*125					*100					76	18	10			56	14	3			*38					*26					25	12	12			23	2	2		
10	121	20	10			97	20	13			74	22	10			57	30	6			38	7	4			28	5	4			23	6	8			23	2	2		
11	130	14	10			107	22	11			92	22	26			63	39	10			40	22	6			28	25	4			25	11	8			23	7	2		
12	133	17	6			117	20	14			104	18	26			87	24	32			41	37	8			30	33	4			31	15	12			25	6	3		
13	139	10	8			126	12	14			108	16	22			95	16	36			48	33	12			37	29	10			34	14	10			25	11	2		
14	146	5	4			132	12	16			114	14	24			97	16	26			60	20	21			48	20	20			37	14	7			27	7	4		
15	147	10	15			132	10	14			114	16	8			97	21	14			56	23	18			46	19	14			41	12	6			29	12	4		
16	145	10	11			132	11	12			117	12	19			101	14	15			62	20	24			54	18	16			43	12	12			29	15	3		
17	145	8	16			134	5	12			118	10	15			101	16	17			64	16	18			55	16	28			47	8	4			31	16	4		
18	145	8	8			130	12	10			114	12	14			97	16	16			66	13	12			62	10	20			49	5	6			31	16	4		
19	145	10	8			132	9	12			114	9	10			95	14	6			70	11	14			64	7	5			49	4	4			29	8	2		
20	145	5	10			130	6	10			114	6	12			98	11	9			71	5	9			64	6	4			49	4	4			29	5	3		
21	143	8	8			127	7	10			112	10	10			98	9	9			72	4	7			62	5	6			47	7	4			29	4	5		
22	141	10	8			126	10	9			110	13	10			95	16	5			70	8	5			62	7	5			47	6	4			29	9	5		
23	139	14	6			124	12	8			108	12	10			97	12	6			69	9	7			64	5	8			46	6	4			27	15	3		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month February 19 59

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	138	8	8			123	6	12			108	10	10			97	8	8			68	4	9			56	6	8			43	6	8			24	6	2		
01	138	6	8			121	10	8			108	12	14			97	10	12			66	6	8			56	6	8			44	3	5			26	2	4		
02	138	6	8			121	6	10			106	6	14			95	8	12			66	6	7			54	6	9			43	2	4			24	2	2		
03	136	6	8			121	6	12			105	5	13			93	8	12			65	7	9			56	4	4			41	4	10			24	2	2		
04	135	7	7			119	6	8			104	6	10			91	8	12			64	8	10			56	4	6			41	2	10			24	2	2		
05	130	9	5			113	8	10			97	7	11			77	10	16			60	4	12			54	4	16			39	4	8			24	2	2		
06	126	8	6			100	15	9			74	20	12			59	6	4			42	10	6			40	10	14			40	3	11			26	4	2		
07	122	10	8			94	21	11			72	19	10			59	16	4			34	8	6			30	12	10			31	10	6			26	4	4		
08	120	11	4			98	15	18			75	13	13			59	3	4			34	8	6			28	9	10			24	9	9			24	2	2		
09	*121					*93					*73					*59					*38					*24					*19					*24				
10	122	13	5			99	18	10			72	28	12			57	25	4			38	7	6			26	9	6			21	11	8			22	2	0		
11	128	16	9			105	20	12			82	35	18			60	42	5			38	26	8			26	18	4			21	17	8			24	8	2		
12	134	14	12			112	27	17			88	38	22			74	34	19			38	36	8			26	36	7			21	26	8			24	12	2		
13	137	15	9			118	23	21			104	28	32			89	29	32			40	43	8			28	42	8			29	26	10			26	28	2		
14	142	14	10			126	17	15			112	18	25			97	22	30			53	29	23			36	30	12			37	16	22			29	15	5		
15	146	10	12			132	11	19			118	14	26			100	19	33			64	20	37			49	15	23			39	14	10			30	15	6		
16	145	12	12			130	13	17			118	12	24			105	12	36			66	19	33			48	16	16			41	10	9			32	11	8		
17	148	10	13			131	14	16			117	15	25			101	14	33			68	17	33			52	12	22			47	9	4			32	6	8		
18	144	8	10			129	16	15			116	12	24			97	16	18			68	10	10			58	6	8			49	4	4			32	4	6		
19	144	7	11			128	16	10			110	21	8			96	18	5			72	9	7			60	12	4			49	4	4			30	6	6		
20	142	10	8			127	10	8			109	16	5			97	12	8			72	10	6			60	4	4			47	4	4			30	4	4		
21	141	9	9			127	6	10			109	11	8			97	8	8			70	8	4			60	4	6			45	4	4			28	8	4		
22	140	8	8			124	11	9			110	14	10			99	6	8			68	6	6			58	7	4			45	8	6			26	6	4		
23	137	9	7			124	6	10			111	5	13			99	6	10			68	6	10			56	6	4			44	5	5			26	4	4		

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

RADIO NOISE DATA

Station RABAT, MOROCCO Lat. 34 N Long. 6.8W Type Recorder ARN-2 Month MARCH 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	125	125	126	127	127	127	125	118	113	111	*111	*113	115	115	115	117	115	115	113	121	123	123	125	125
D_u	6	3	4	1	3	2	2	3	2	2			2	2	3	4	6	6	7	2	2	2	2	3
D_ℓ	2	2	4	4	3	5	6	4	4	3			4	4	4	4	2	6	2	1	3	2	4	2
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	*116	*116	*116	*116	*116	*118	108	100	102	*100	*98	*104	*101	102	100	102	*100	*102	*102	*112	*116	*116	*116	*114
D_u							2	4	4					4	4	6								
D_ℓ							4	4	6					6	2	8								
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	97	97	96	96	95	94	92	92	92	*92	*94	*92	94	94	94	94	94	94	96	96	96	96	96	98
D_u	3	3	4	4	3	4	5	5	5				4	4	3	4	4	4	2	2	2	3	3	2
D_ℓ	4	5	5	4	3	4	6	8	6				6	4	3	2	4	4	6	5	4	5	4	4
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	81	82	81	81	79	77	64	59	57	*57	*57	*58	57	60	57	*57	*59	67	71	79	79	85	83	83
D_u	6	3	2	3	6	5	6	19	23				6	24	22			5	10	7	5	2	5	5
D_ℓ	2	2	4	4	3	6	3	5	4				6	6	4			9	7	5	4	8	5	2
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	57	57	57	55	56	54	55	45	43	39	*40	*42	*39	37	39	41	*41	*43	47	57	59	57	57	57
D_u	8	4	4	4	5	7	4	6	12	4				8	7	4			8	6	4	4	4	4
D_ℓ	4	4	6	4	5	3	6	6	6	2				4	6	4			2	6	2	2	2	4
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	56	56	56	56	56	56	54	42	30	*35	*25	*26	43	28	24	44	*36	*42	52	58	56	54	54	56
D_u	6	6	6	4	6	4	4	4	6				7	14	16	6			4	6	4	6	4	6
D_ℓ	4	4	6	5	4	4	2	4	4				18	5	4	2			6	8	6	4	4	4
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	46	44	46	46	44	46	44	40	36	*30	*31	*42	38	30	32	*38	*42	48	54	50	48	50	48	48
D_u	4	6	4	2	4	2	4	8	2				8	17	18			9	12	7	6	8	11	6
D_ℓ	6	2	4	2	4	6	4	2	4				14	6	8			8	8	6	4	4	4	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	28	26	26	24	26	26	28	32	32	*30	*28	*28	31	33	34	*36	*38	44	42	40	34	32	32	28
D_u	6	6	4	8	4	4	2	12	14				11	16	12			12	18	18	10	9	5	8
D_ℓ	4	2	2	0	2	2	4	6	6				7	5	4			10	10	8	6	6	6	4
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station RABAT, MOROCCO Lat. 34 N Long. 6.8 W Type Recorder ARN-2 Month APRIL 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	130	130	130	130	130	128	120	120	112	114	114	118	118	118	120	124	120	122	116	124	130	130	130	130
D_u	6	6	8	8	6	6	8	8	6	8	8	6	10	8	8	6	11	7	18	8	6	7	6	7
D_ℓ	4	5	4	4	4	6	2	6	6	4	2	8	2	4	4	6	6	10	8	6	6	6	6	5
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	100	99	100	98	97	92	87	87	88	83	82	88	91	90	93	90	93	93	93	96	99	103	99	101
D_u	9	11	16	13	8	12	15	17	12	20	19	9	9	12	9	12	12	15	15	11	11	5	14	10
D_ℓ	6	4	7	6	6	7	6	7	9	9	7	10	13	12	16	12	16	12	12	9	10	12	6	6
V_{dm}																								
L_{dm} -																								
	545 kc																							
F_{am}	90	89	89	87	86	79	82	78	74	74	75	76	83	79	77	79	75	77	81	87	89	91	92	91
D_u	7	6	6	6	7	8	13	19	17	11	10	15	12	12	14	14	17	20	16	12	10	8	7	4
D_ℓ	5	4	8	2	5	6	15	17	11	13	16	19	21	18	18	19	20	17	10	6	8	6	5	4
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	60	58	56	59	58	56	50	42	40	38	37	38	36	36	38	38	38	40	48	56	59	60	60	60
D_u	4	12	9	4	9	10	6	11	12	6	5	10	6	6	12	12	13	8	8	8	11	8	6	8
D_ℓ	7	7	4	11	10	6	10	4	4	4	7	6	4	4	6	4	4	6	8	11	9	6	6	6
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	56	56	56	56	56	56	48	34	26	24	24	26	24	24	26	24	26	34	44	56	54	52	54	54
D_u	4	7	8	5	4	4	4	20	14	12	4	7	10	11	14	19	19	10	8	4	6	6	5	8
D_ℓ	6	4	5	5	9	6	11	2	6	2	5	4	4	4	6	4	5	10	7	14	13	4	7	4
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	44	46	46	46	44	44	42	40	33	38	37	28	28	26	28	34	38	40	46	50	48	48	47	48
D_u	6	2	4	2	4	4	4	4	10	6	6	10	10	12	14	12	4	7	1	8	9	5	5	5
D_ℓ	2	3	4	5	3	6	4	6	6	20	15	9	8	10	10	14	11	8	6	8	7	7	7	6
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	32	30	31	34	26	26	36	34	36	38	36	32	34	35	34	41	42	39	40	40	38	34	35	33
D_u	7	8	5	6	8	8	6	12	15	16	15	16	14	9	16	11	9	9	10	11	13	8	13	14
D_ℓ	10	5	6	9	2	4	11	8	8	10	11	8	10	11	10	13	10	8	12	9	10	6	7	9
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station RABAT, MOROCCO Lat. 33.9 N Long. 6.8 W Type Recorder ARN-2 Month MAY 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	125	125	127	127	127	125	119	112	108	111	111	115	117	119	121	123	123	122	121	118	125	125	125	125
D_u	4	4	2	2	2	2	2	7	8	4	6	6	7	9	12	9	10	9	11	13	3	6	8	6
D_ℓ	2	2	2	3	3	2	4	3	4	7	8	9	9	6	5	9	6	5	7	5	7	4	2	2
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	91	93	93	93	91	82	79	79	79	77	77	79	79	82	82	85	86	86	84	85	91	93	93	93
D_u	6	3	5	6	7	11	8	9	9	9	12	13	19	26	10	22	20	18	24	19	10	10	9	5
D_ℓ	2	5	4	6	6	3	2	3	2	2	2	4	3	5	16	9	9	9	7	6	4	2	4	4
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	80	80	80	80	78	64	63	60	60	58	60	67	60	74	67	69	70	75	70	76	80	82	82	82
D_u	6	6	4	6	5	13	19	18	12	21	20	14	28	17	26	23	25	18	29	14	7	8	6	5
D_ℓ	4	6	7	8	8	8	8	9	10	8	10	19	9	20	15	15	9	19	13	8	6	5	6	6
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	57	57	57	55	54	49	45	41	35	37	35	35	35	37	37	37	39	41	49	53	59	59	59	58
D_u	5	5	4	4	5	8	10	10	10	5	10	5	10	13	14	15	18	12	4	6	8	8	8	7
D_ℓ	5	4	10	9	9	8	10	7	2	7	4	5	4	6	6	6	2	6	8	2	2	2	4	5
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	56	56	54	54	52	52	38	29	23	22	24	22	22	25	24	28	34	36	43	54	60	58	58	56
D_u	3	6	6	5	5	6	5	10	11	16	7	13	15	11	10	13	12	14	13	6	2	4	4	4
D_ℓ	6	6	3	6	4	7	11	3	3	4	5	2	4	7	8	9	12	8	7	2	6	4	6	6
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	45	45	45	45	43	43	37	30	27	27	29	25	25	25	29	33	39	41	45	49	49	49	47	45
D_u	5	4	4	4	4	3	5	6	14	9	8	10	12	16	9	9	8	8	8	8	6	4	10	4
D_ℓ	2	6	5	6	7	8	6	3	9	7	12	10	6	6	10	7	8	4	2	2	4	4	4	4
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	25	25	27	23	25	27	25	25	23	25	27	24	25	27	27	27	35	33	33	33	33	29	27	27
D_u	7	14	3	7	6	7	13	12	14	20	16	9	13	8	8	8	7	14	10	14	14	12	8	6
D_ℓ	4	3	6	2	4	5	2	4	2	6	8	4	4	6	6	2	6	4	2	6	4	4	2	4
V_{dm}																								
L_{dm}																								

GPO 845918 RN-1

RADIO NOISE DATA

Station RABAT, MOROCCO Lat. 33.9 N Long. 6.8 W Type Recorder ARN-2 Month JUNE 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc *																							
F_{am}	131	132	131	131	130	126	120	113	113	113	108	117	117	121	123	123	121	121	119	121	125	129	129	129
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	246 kc *																							
F_{am}	99	99	98	97	95	81	80	82	80	81	73	79	77	79	79	80	81	81	80	84	96	99	102	98
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	545 kc *																							
F_{am}	85	83	81	83	81	74	61	62	64	55	58	68	66	64	67	65	67	66	67	69	80	81	83	82
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	58	60	58	58	58	54	44	44	39	35	34	30	31	38	36	38	40	40	44	51	62	62	61	60
D_u	8	6	6	6	4	4	12	8	15	9	12	18	16	6	16	14	16	16	16	11	4	9	9	10
D_ℓ	16	12	18	10	12	12	6	15	7	13	12	8	5	8	8	4	12	12	6	4	12	4	3	12
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	56	54	54	54	54	50	34	24	22	24	*24	*18	*32	28	24	26	30	30	40	50	58	58	57	55
D_u	4	6	8	6	4	4	6	13	12	11				11	17	18	14	22	14	10	6	6	5	7
D_ℓ	8	8	18	4	6	8	4	7	4	7				12	8	8	12	12	10	6	8	6	7	13
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	47	45	43	43	41	41	37	31	25	23	17	19	24	23	31	37	35	39	45	49	49	51	49	45
D_u	2	4	8	4	6	4	6	6	8	15	19	18	16	14	8	8	10	12	9	7	6	8	6	6
D_ℓ	10	8	13	6	2	6	11	8	14	8	7	6	11	8	12	10	17	10	10	5	4	6	6	8
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	24	24	24	23	22	22	22	24	22	22	22	20	22	22	26	26	27	29	30	30	28	26	26	24
D_u	2	4	2	5	4	8	6	6	6	6	8	11	6	6	2	4	3	5	8	7	6	6	4	4
D_ℓ	4	4	4	3	2	2	2	4	4	4	4	4	2	6	8	4	3	3	4	4	6	4	4	2
V_{dm}																								
L_{dm}																								

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month October 19 58

Hour (LST)	Frequency (Mc)																																							
	* 51 kc					113 kc					* 246 kc					* 545 kc					* 2.5 Mc					* 5 Mc					* 10 Mc					* 20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	133										105					91																								
01																					62					57					50					29				
02	135										105					89																								
03																					63					59					49					28				
04	134										106					90																								
05																					60					59					48					26				
06	130										89					68																								
07																					44					45					47					33				
08	122										82					60																								
09																					37					29					37					34				
10	118										82					55																								
11																					42					26					37					30				
12	122										81					65																								
13																					41					27					35					32				
14	122										83					58																								
15																					39					35					41					35				
16	125										81					60																								
17																					53					47					52					36				
18	124										91					90																								
19																					65					57					54					32				
20	130										101					92																								
21																					63					59					57					30				
22	132										103					92																								
23																					61					59					51					30				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month November 19 58

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					* 545 kc					2.5 Mc					5 Mc					10 Mc					* 20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	130	4	4								100	6	8			84					*56					*52					*44					36				
01	*130										*100					84					54	7	4			51	3	3			44	3	5			34				
02	129	3	5								100	4	6			84					*56					*52					*44					28				
03	*130										*99					84					56	5	8			50	8	6			44	3	4			30				
04	128	6	2								96	8	4			84					*52					*50					*42					26				
05	*128										*94					80					53	10	6			53	5	7			*40					24				
06	*126										*86					69					*51					*50					*44					30				
07	*121										*84					74					*43					*42					*40					40				
08	*118										*78					66					*40					*32					*36					40				
09	*116										*80					60					*37					*28					*36					40				
10	*114										*80					66					*40					*26					*32					38				
11	*115										*80					68					*36					*26					*40					34				
12	*116										*78					70					*34					*24					*39					37				
13	*120										*80					72					*39					*26					*38					37				
14	*119										*82					75					*42					*36					*42					36				
15	*120										*95					76					*41					*30					*43					35				
16	120	20	4								*84					74					*44					*44					*46					36				
17	*122										*93					83					*50					*52					*47					40				
18	124	14	6								98	16	14			88					*66					*57					*53					34				
19	*128										*103					88					57	16	8			52	10	6			48	6	6			34				
20	128	10	6								100	14	8			90					*60					*55					*50					35				
21	*130										*103					90					58	9	7			*52					*49					40				
22	128	6	4								102	6	10			86					*58					*54					*51					34				
23	*128										*102					90					58	3	5			52	6	4			*44					36				

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month December 1958

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	126	6	6								97	7	15			82	10	15																						
01																					56	5	10			52	4	4			42	7	5			26	10	2		
02	126	8	6								95	7	13			82	9	16																						
03																					57	2	13			54	2	9			42	3	5			*24				
04	126	10	4								93	9	13			78	14	12																						
05																					55	9	8			54	4	7			39	4	4			*24				
06	126	8	4								88	17	10			70	14	15																						
07																					50	14	11			50	10	5			42	4	5			30	7	3		
08	116	14	7								78	18	4			59	23	9																						
09																					39	14	6			26	12	4			39	8	10			30	11	4		
10	*110										*80					*58																								
11																					37	14	6			*30					39	4	10			*27				
12	110	13	10								78	18	6			59	19	11																						
13																					37	9	6			*26					39	3	9			30	4	3		
14	110	16	10								76	19	4			56	20	8																						
15																					37	14	5			30	14	8			41	7	7			30	4	4		
16	110	20	10								78	28	6			66	12	11																						
17																					47	11	9			50	5	9			47	6	6			32	4	4		
18	118	8	10								86	22	10			78	11	12																						
19																					53	12	10			51	7	7			43	6	4			28	4	2		
20	122	8	6								94	8	6			84	8	14																						
21																					54	9	9			50	5	7			45	12	4			26	8	2		
22	126	4	8								95	7	13			86	4	15																						
23																					57	4	16			52	4	7			43	4	6			26	2	2		

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month January 19 59

Hour (LST)	Frequency 51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	125	4	5								94	11	5			80	8	5																		*29				
01																*83					54	7	6			52	4	6			43	1	6			27	4	0		
02	125	3	6								96	6	8			82	5	8																		*27				
03																*82					52	7	4			52	6	4			43	4	6			*27				
04	125	6	4								92	7	4			80	4	6																						
05																*79					52	7	6			52	4	5			41	2	6			*27				
06	123	7	6								90	11	8			73	9	5																						
07																*70					48	12	5			52	4	7			39	6	3			33	4	4		
08	113	7	6								77	11	3			60	6	6																		*41				
09																*60					*40					*32					39	12	12			*31				
10	109	5	8								80	4	6			56	7	3																		*27				
11																*65					38	9	3			*28					37	11	8			29	10	2		
12	107	11	6								78	5	4			60	20	5			*44															*29				
13																*62					38	10	4			*30					33	11	9			31	8	4		
14	111	2	11								78	3	5			60	4	4			*48															*32				
15																*61					38	4	4			*27					35	14	10			33	12	2		
16	98	12	7								80	5	8			65	8	7																		*31				
17																*78					40	8	4			42	7	7			45	12	6			33	12	4		
18	113	6	4								85	9	4			75	12	2																		*29				
19																*72					50	8	6			50	4	5			45	8	6			31	3	4		
20	119	5	4								91	10	7			80	5	8																		*33				
21																*84					54	6	4			50	5	3			43	7	4			29	6	1		
22	121	5	3								94	5	9			84	2	7																		*28				
23																*87					54	4	6			52	2	4			43	3	4			28	3	1		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month February 19 59

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	127	4	7								93	4	7			83	5	10			*61					*60					*51					*38				
01	*127										95	6	6			82	4	6			59	4	8			59	7	9			51	4	10			*32				
02	*126										95	4	9			82	4	10			*61					*61					*51					32	8	6		
03	*128										95	5	6			82	7	3			59	5	11			60	7	8			51	4	8			*34				
04	127	6	8								93	4	10			80	6	8			*59					*60					*50					*32				
05	*127										*92					80	5	6			59	4	15			61	4	11			49	4	10			*32				
06	124	5	6								85	6	7			74	8	4			*61					*62					*49					*32				
07	*119										*78					70	12	4			53	6	14			53	9	9			49	2	8			*40				
08	111	6	9								77	15	4			68	12	8			*48					*43					*45					38	10	4		
09	*103										*77					*69					*45					*32					*41					*44				
10	*107										*75					*64					*45					*33					*41					*39				
11	*109										*77					*66					*45					*28					*41					*34				
12	111	3	6								80	4	5			70	15	6			*45					*27					*43					*39				
13	*111										*77					66	8	4			43	4	4			*29					*43					*40				
14	*111										79	6	4			67	11	9			*45					*28					*47					*40				
15	*111										*79					*63					43	8	6			*31					*47					*39				
16	111	9	9								79	14	4			72	12	12			*47					*36					*51					*45				
17	*111										81	20	6			76	14	10			47	9	8			47	8	11			*50					*42				
18	111	11	8								81	11	2			76	13	5			*54					*57					*56					*44				
19	119	4	4								87	6	8			*80					59	6	9			57	4	7			55	16	10			36	10	6		
20	121	5	6								87	8	6			83	6	6			*61					*57					55	12	12			*42				
21	*122										91	6	6			*84					61	6	8			55	5	6			53	14	11			36	8	10		
22	125	4	4								91	5	5			84	5	8			*61					*57					*53					*40				
23	*125										*95					84	6	4			60	5	7			57	5	7			51	9	7			36	8	8		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

RADIO NOISE DATA

Station SAN JOSE dos CAMPOS BRAZIL Lat. 23.3 S Long. 45.8 W Type Recorder ARN-2 Month MARCH 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc *																							
F_{am}	142	142	143	143	144	144	133	133	134	132	133	132	133	132	138	139	141	140	142	142	138	136	140	140
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	113 kc *																							
F_{am}	127	129	128	130	128	130	106	99	99	106	102	106	106	111	114	120	121	121	120	120	122	122	124	127
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	246 kc *																							
F_{am}	114	114	113	114	112	112	81	80	82	82	80	89	84	87	89	92	98	97	100	104	108	112	112	113
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	545 kc *																							
F_{am}	97	97	96	97	94	92	71	73	75	83	81	82	85	85	82	83	88	85	89	95	97	98	95	96
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	2.5 Mc *																							
F_{am}	64	64	63	64	65	62	56	47	44	41	38	37	34	42	38	42	44	38	53	66	67	66	66	66
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	5 Mc *																							
F_{am}	58	58	57	56	56	57	63	45	37	37	37	31	28	34	30	40	40	46	58	61	63	61	62	66
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	10 Mc *																							
F_{am}	40	39	40	40	39	40	39	31	27	24	19	17	19	19	23	23	31	35	46	49	41	40	39	43
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	20 Mc *																							
F_{am}	32	31	31	29	26	25	26	29	28	26	24	25	21	25	25	29	28	33	35	36	34	33	31	33
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station SAN JOSE dos CAMPOS BRAZIL Lat. 23.3 S Long. 45.8 W Type Recorder ARN-2 Month APRIL 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	124	*123	*124	125	*127	*125	*117	*118	*121	*117	*121	*117	*117	*120	*119	*119	*121	*120	123	127	126	124	125	124
D_u	11			12															16	13	11	11	10	7
D_ℓ	7			6															8	8	7	7	8	5
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	113	*111	*116	*118	*117	*115	*107	*99	*107	*95	*107	*99	*99	*104	*103	*106	*103	*103	107	113	113	113	115	116
D_u	14																		18	10	15	14	12	11
D_ℓ	8																		6	10	10	8	8	9
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	101	*99	*95	*102	*103	*100	*89	*83	*86	*84	*79	*81	*81	*85	*81	*87	*82	*84	93	97	98	97	100	*99
D_u	14																		29	12	16	12	9	
D_ℓ	14																		12	16	11	8	10	
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	*89	*87	*84	*85	*86	*71	*73	*72	*72	*75	*79	*77	*77	*74	*69	*71	*75	*82	85	87	87	87	87	87
D_u																			18	8	10	8	10	10
D_ℓ																			12	10	8	6	6	8
V_{dm}																								
L_{dm}																								
	2.5 Mc *																							
F_{am}	62	60	56	56	64	58	48	42	42	31	32	38	30	30	43	42	46	60	61	66	62	64	62	64
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	5 Mc *																							
F_{am}	53	51	51	51	49	57	59	47	37	35	31	31	29	30	32	35	42	47	62	57	57	57	57	55
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	10 Mc *																							
F_{am}	42	42	40	38	38	38	36	34	28	24	26	23	23	23	24	35	41	42	44	44	40	46	38	38
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	20 Mc *																							
F_{am}	36	29	28	27	25	25	27	33	25	23	22	24	29	32	27	46	43	43	44	52	40	35	30	29
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

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RADIO NOISE DATA

Station SAN JOSE dos CAMPOS BRAZIL Lat. 23.3 S Long. 45.8 W Type Recorder ARN-2 Month MAY 1958

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	*130	*130	*130	*130	*128	*128	*126	*121	*116	*119	120	125	124	128	127	129	128	126	131	134	134	*128	*130	*125
D_u											12	5	8	6	10	13	12	18	13	10	6			
D_ℓ											14	19	18	16	11	16	13	11	15	16	14			
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	*118	*117	*120	*118	*112	*113	*107	*100	*102	*106	*109	110	108	110	112	110	107	110	118	116	116	112	114	117
D_u												10	10	10	14	17	22	19	6	16	10	14	8	10
D_ℓ												28	22	24	21	21	15	20	20	12	20	8	8	10
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	*94	*96	*96	*94	*98	*94	*80	*79	*86	86	84	84	80	83	84	84	84	87	91	94	94	94	94	92
D_u										10	6	6	11	11	19	24	31	21	21	20	14	17	14	14
D_ℓ										6	13	10	4	9	11	8	11	9	11	12	12	7	6	10
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	*80	*78	*78	*77	*77	*76	*78	*80	*80	78	73	77	76	72	70	74	80	80	82	84	82	82	84	84
D_u										4	12	5	4	13	19	16	15	19	14	10	4	6	4	6
D_ℓ										4	5	8	7	9	9	12	14	6	10	8	7	6	10	10
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	*57	*54	*53	*50	*47	*47	*48	*41	*45	*37	42	33	31	34	36	37	39	43	*53	*53	*53	*53	*51	*50
D_u											5	14	38	9	12	11	15	8						
D_ℓ											15	6	5	7	8	9	8	10						
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	*49	*49	*51	*51	*49	*57	*66	*53	*47	*41	40	36	34	41	41	41	51	59	63	63	*62	*61	*61	*64
D_u											1	7	5	2	4	6	6	4	4	2				
D_ℓ											6	8	5	12	9	7	11	8	4	6				
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	*42	*41	*42	*41	*39	*39	*39	*41	*40	41	39	37	36	36	37	41	43	47	51	49	*47	*47	*45	*43
D_u										6	6	6	8	6	6	5	3	6	12	12				
D_ℓ										4	5	9	8	5	6	5	3	6	8	4				
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	*29	*31	*29	*25	*25	*27	*27	*27	*27	27	27	28	33	31	35	37	37	38	37	*39	*37	*35	*34	*35
D_u										6	4	4	12	15	10	16	10	18	20					
D_ℓ										4	4	5	8	7	6	5	10	7	8					
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station SINGAPORE, MALAYA Lat. 1.3 N Long. 103.8 Type Recorder ARN-2 Month JULY 19 58

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	13 kc																							
F_{am}	160	161	162	162	162	162	163	160	160	*158	*160	*160	*160	*161	*162	*160	162	162	160	162	158	159	158	160
D_u	8	7	4	8	6	6	5	6	6								6	5	5	4	5	4	5	2
D_ℓ	4	14	9	10	13	12	7	4	8								6	7	12	5	11	12	8	7
V_{dm}																								
L_{dm}																								
	51 kc																							
F_{am}	139	139	142	141	145	143	141	139	135	*136	*136	*137	*137	*138	*139	141	135	137	139	137	135	139	137	139
D_u	8	8	7	8	2	4	6	6	16							9	13	11	7	7	8	4	6	3
D_ℓ	4	4	9	6	8	6	12	10	6							8	4	8	11	10	5	4	3	9
V_{dm}																								
L_{dm}																								
	160 kc																							
F_{am}	120	121	123	125	125	125	119	119	115	*113	115	*119	*116	*122	*119	121	114	115	112	118	118	118	117	118
D_u	5	6	4	4	4	4	10	8	8		12					11	18	15	10	5	5	3	6	5
D_ℓ	11	6	6	8	12	11	17	16	10		16					12	10	17	13	8	10	4	7	8
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	95	93	95	95	96	95	90	85	*89	*80	*91	*90	*91	*95	*95	95	95	92	92	94	91	91	91	92
D_u	8	12	6	8	7	9	15	22								10	19	14	6	11	12	8	9	8
D_ℓ	10	8	10	13	11	14	20	15								23	22	16	14	10	14	7	10	10
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	64	62	64	66	66	66	62	52	*52	*49	*46	*52	*54	*53	*60	*55	59	52	60	66	64	65	64	64
D_u	10	8	6	2	4	4	8	17									20	24	10	8	7	5	5	7
D_ℓ	6	4	6	8	8	10	19	13									22	8	5	2	5	6	5	5
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	54	53	54	54	56	56	54	*49	*44	*36	*42	*40	*42	*44	*47	46	47	48	54	58	60	56	56	56
D_u	10	9	8	8	6	5	4									16	23	13	8	6	4	8	4	7
D_ℓ	8	13	10	12	14	15	16									16	9	4	4	8	6	6	8	11
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	47	47	44	44	44	41	44	44	40	*36	*35	*34	*34	*38	*37	39	44	46	48	46	46	46	48	48
D_u	7	3	8	4	10	7	8	4	10							14	10	7	6	13	11	6	8	3
D_ℓ	7	7	4	6	10	7	13	4	2							3	6	8	2	4	5	1	6	8
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	28	26	24	24	24	24	24	26	*26	*22	*22	*22	*22	*22	*24	*26	26	28	28	24	26	26	28	28
D_u	2	2	2	2	4	8	8	4									10	2	3	4	5	4	2	1
D_ℓ	4	4	2	2	2	2	2	4									2	2	2	2	2	2	2	2
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station SINGAPORE, MALAYA Lat. 1 3 N Lang. 103 8 E Type Recorder ARN 2 Month AUGUST 1958

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	13 kc																							
F_{am}	*160	160	*161	160	159	160	160	158	158	158	*156	*152	154	159	160	161	160	162	160	160	158	158	161	160
D_u		2		4	5	3	4	4	4	2			8	6	8	4	6	2	4	4	6	6	1	2
D_ℓ		6		20	17	11	4	15	10	12			8	8	9	8	5	10	11	12	15	9	3	9
V_{dm}																								
L_{dm}																								
	51 kc																							
F_{am}	136	138	140	138	136	137	132	132	130	126	128	126	131	132	136	137	138	136	136	138	138	136	139	136
D_u	8	4	2	6	8	7	6	8	7	12	10	16	11	18	14	9	6	6	8	4	4	8	5	6
D_ℓ	8	4	6	2	6	7	8	8	14	4	11	3	7	6	12	7	6	6	6	4	6	2	5	10
V_{dm}																								
L_{dm}																								
	160 kc																							
F_{am}	117	117	117	119	119	116	111	105	107	103	100	101	107	104	112	113	113	113	111	115	115	115	117	115
D_u	4	6	8	6	6	7	10	14	12	17	18	16	18	23	13	14	8	9	12	6	4	4	4	8
D_ℓ	6	6	6	8	10	14	16	8	15	17	10	12	14	9	15	10	10	8	10	10	8	6	8	6
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	91	90	89	90	90	78	88	80	81	72	66	72	80	88	86	88	87	87	90	88	90	90	90	90
D_u	5	6	11	8	10	22	19	9	11	18	26	21	33	21	16	15	15	10	8	6	4	6	5	6
D_ℓ	11	8	9	9	6	4	21	14	15	14	18	9	14	14	18	14	11	11	10	8	8	10	10	13
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	63	63	63	61	59	63	53	45	39	*33	*33	35	32	35	39	43	49	50	57	65	67	65	64	63
D_u	5	6	6	8	11	6	12	10	12			14	9	12	14	22	18	15	5	6	4	4	8	4
D_ℓ	10	8	6	6	5	10	10	8	10			8	6	8	8	10	9	13	8	6	6	8	12	8
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	56	57	55	55	53	53	45	41	37	31	29	29	29	31	37	39	43	47	57	61	60	59	55	55
D_u	5	4	6	6	8	9	11	7	8	8	10	8	30	33	25	17	10	7	3	3	6	6	7	6
D_ℓ	9	12	9	8	8	13	6	8	12	8	4	8	6	8	12	10	8	12	10	11	12	9	8	[illegible]
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	45	45	43	43	42	39	39	41	36	28	27	27	27	29	33	35	40	41	45	43	44	45	45	45
D_u	5	4	6	5	4	6	5	4	5	9	6	6	14	19	12	8	5	6	6	6	5	6	4	5
D_ℓ	7	8	7	9	6	7	11	11	9	3	4	6	7	7	8	6	9	4	4	5	8	3	6	8
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	26	26	24	24	22	22	22	22	22	20	20	18	18	21	22	22	24	24	22	22	25	26	28	26
D_u	2	2	2	2	4	4	4	4	6	6	6	14	11	13	5	6	5	3	5	5	5	4	4	4
D_ℓ	2	4	2	2	2	2	1	2	4	2	2	2	2	3	2	2	3	2	2	1	3	2	4	2
V_{dm}																								
L_{dm}																								

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month September 19 58

Frequency (Mc)

Hour (LST)	13 kc					51 kc					160 kc					545 kc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	162	4	4			143	2	7			119	6	4			91	10	4		
01	160	4	2			142	3	5			121	2	6			91	6	4		
02	162	4	2			143	4	7			121	4	6			95	4	4		
03	162	4	4			143	3	6			121	6	7			95	8	6		
04	162	3	4			141	6	6			121	7	4			95	8	10		
05	162	3	4			141	6	6			119	9	9			85	18	8		
06	162	3	5			139	8	7			119	10	15			85	20	12		
07	160	6	4			138	8	8			117	10	8			89	14	17		
08	*162					*139					117	9	12			85	15	10		
09	159	7	5			137	10	10			117	10	19			84	21	17		
10	160	8	14			136	13	11			117	12	20			89	19	24		
11	160	12	10			134	13	7			115	18	16			91	20	23		
12	158	10	6			139	12	10			122	11	21			101	12	20		
13	160	11	6			143	10	8			123	10	14			103	10	18		
14	162	11	8			142	11	8			119	12	10			101	10	14		
15	162	8	8			144	5	7			121	6	12			99	6	16		
16	164	5	9			143	6	7			119	8	9			93	10	8		
17	162	5	5			141	5	7			116	5	10			90	7	9		
18	160	4	6			141	4	5			119	2	8			91	8	6		
19	158	7	2			143	2	7			119	4	8			92	5	5		
20	160	4	4			141	4	6			119	4	6			91	8	4		
21	160	5	5			141	6	6			119	6	5			93	6	8		
22	161	5	5			141	4	4			119	6	4			91	4	4		
23	160	5	2			141	4	5			119	5	4			91	4	8		

Hour (LST)	2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	61	8	16			54	8	8			46	2	6			27	8	2		
01	62	8	14			56	6	14			46	3	6			27	7	3		
02	66	5	16			54	8	12			44	5	6			25	5	1		
03	61	7	13			58	4	13			44	2	6			25	5	2		
04	58	13	9			55	8	11			43	6	4			23	4	2		
05	56	12	10			52	8	8			40	6	8			22	4	1		
06	52	8	13			46	6	5			40	6	2			25	2	2		
07	48	8	6			44	8	6			42	4	6			25	4	3		
08	*44					*42					38	2	6			23	3	4		
09	44	16	11			40	14	11			34	5	7			21	8	4		
10	44	18	10			38	15	12			32	6	8			23	8	6		
11	48	22	15			39	15	13			32	14	9			23	16	6		
12	52	21	18			44	14	16			37	11	9			27	8	8		
13	58	18	23			49	15	21			39	9	11			25	10	6		
14	56	15	22			46	9	13			38	2	6			24	8	4		
15	56	16	14			42	12	10			38	6	10			25	6	2		
16	56	10	17			44	8	8			40	6	6			27	2	4		
17	52	12	10			48	4	11			44	2	6			25	12	2		
18	54	11	10			58	4	10			44	4	6			23	8	3		
19	60	8	4			56	10	18			44	4	4			23	5	3		
20	60	8	8			58	7	11			44	7	6			27	16	3		
21	60	10	14			55	9	12			44	4	6			27	12	2		
22	62	8	15			54	9	9			46	2	8			29	2	3		
23	59	11	9			54	8	11			46	5	9			29	10	2		

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month October 19 58

Hour (LST)	Frequency (Mc)																																							
	* 13 kc					* 51 kc					* 160 kc					* 545 kc					* 2.5 Mc					* 5 Mc					* 10 Mc					* 20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	162					141					119					94					61					54					43					31				
01	160					143					117					96					60					51					44					31				
02	160					143					115					94					57					53					45					29				
03	156					143					121					98					48					53					47					31				
04	161					141					112					98					48					51					45					29				
05	162					139					113					96					36					53					42					29				
06	158					135					99					90					46					43					41					29				
07	158					131					105					76					32					39					39					27				
08	153					126					105					86					48					27					33					26				
09	150					128					95					72					30					23					29					23				
10	151					126					90					78					34					25					23					21				
11	149					131					89					76					46					33					25					23				
12	156					133					108					88					52					32					26					23				
13	162					135					115					88					54					38					35					28				
14	161					141					125					98					57					41					40					29				
15	160					138					117					93					56					37					43					28				
16	161					141					118					92					60					43					43					29				
17	162					139					117					91					61					53					45					29				
18	162					143					113					94					64					57					44					29				
19	163					141					115					95					63					57					44					27				
20	162					143					115					94					64					58					47					29				
21	162					142					119					96					66					53					47					32				
22	162					140					119					92					66					54					45					31				
23	162					140					118					94					68					56					47					31				

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

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month November 1958

Hour (LST)	Frequency (Mc)																																						
	13 kc					* 51 kc					* 160 kc					* 545 kc					2.5 Mc					* 5 Mc					* 10 Mc					* 20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00						138					118					96										59					46					31				
01						140					118					96										57					44					31				
02						136					114					98										57					44					31				
03						136					112					96										57					44					33				
04						136					112					94										57					44					31				
05						134					104					82										55					41					29				
06						130					95					74										45					38					29				
07						123					94					70										37					37					27				
08						124					92					67										37					29					26				
09						126					86					68										35					20					24				
10						125					98					66										33					21					23				
11						129					97					71										31					22					23				
12						130					102					79										39					26					25				
13						130					112					81										37					30					27				
14						132					112					88										51					34					29				
15						132					115					98										47					34					31				
16						132					113					94										49					36					33				
17						132					110					88										55					42					33				
18						136					115					94										57					42					31				
19						140					117					96										63					40					31				
20						140					116					96										65					44					31				
21						140					116					94										61					44					33				
22						140					116					94										61					44					33				
23						140					116					93										59					44					33				

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month December 1958

Frequency (Mc)

Hour (LST)	* 13 kc					* 51 kc					* 160 kc					* 545 kc					* 2.5 Mc					* 5 Mc					* 10 Mc					* 20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	156					134					113					87					58					58					46					28				
01	156					134					114					88					58					56					46					29				
02	156					136					115					86					56					56					46					29				
03	154					134					112					85					66					56					46					27				
04	154					136					111					83					60					58					46					26				
05	154					136					109					76					56					60					44					25				
06	150					128					101					65					54					48					40					25				
07	150					122					96					65					46					36					34					25				
08	147					123					97					67					55					54					30					23				
09	143					120					91					65					56					56					30					25				
10	144					122					95					68					58					57					30					23				
11	145					123					94					70					42					52					29					23				
12	147					125					96					70					30					51					24					22				
13	152					127					98					63					30					50					26					23				
14	151					126					101					76					30					51					32					27				
15	150					123					103					73					56					54					32					27				
16	151					127					99					77					49					55					36					27				
17	149					131					101					74					58					54					43					29				
18	148					133					105					81					62					53					46					27				
19	153					135					107					84					60					57					45					27				
20	153					134					109					85					60					61					46					30				
21	156					135					109					87					62					62					45					29				
22	158					139					111					88					60					58					46					29				
23	156					139					113					85					58					58					46					28				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month January 19 59

Hour (LST)	Frequency																			
	13 kc					51 kc					160 kc					545 kc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	3	2			138	4	6			117	4	6			89	5	9		
01	160	3	2			138	4	4			117	4	7			89	5	10		
02	160	4	4			138	4	4			117	4	6			89	2	11		
03	160	4	4			137	6	3			115	8	4			88	6	8		
04	160	4	2			138	4	4			114	8	3			87	9	9		
05	158	6	3			136	7	4			112	8	8			78	14	7		
06	158	5	3			129	6	3			99	7	8			61	12	6		
07	156	4	4			127	6	6			95	9	8			62	11	5		
08	*157					*128					*96					*71				
09	154	6	4			124	8	10			91	11	8			59	14	4		
10	153	5	5			124	6	6			93	6	12			61	6	8		
11	154	4	4			124	6	6			93	6	14			63	8	6		
12	154	5	3			126	6	4			97	8	9			69	11	10		
13	156	5	5			130	4	6			101	10	6			75	8	15		
14	158	5	4			132	5	7			107	6	11			80	7	13		
15	160	4	6			134	6	10			107	6	9			79	7	9		
16	160	2	3			136	2	9			107	6	9			81	6	10		
17	158	4	4			134	4	9			107	7	8			79	8	10		
18	158	3	4			136	4	8			111	6	4			85	9	6		
19	158	4	4			138	4	6			115	4	6			89	6	10		
20	160	2	5			136	6	4			117	4	6			91	5	9		
21	160	2	4			138	4	6			117	4	9			91	6	9		
22	160	3	4			138	5	6			117	6	9			91	5	9		
23	160	4	3			138	5	6			117	5	7			89	6	7		

Hour (LST)	Frequency																			
	2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	62	5	10			57	4	4			48	2	4			30	2	4		
01	61	6	7			57	2	4			48	2	4			28	2	2		
02	60	8	6			57	2	4			46	4	2			28	2	2		
03	60	6	6			57	5	4			44	6	2			28	2	2		
04	59	8	4			57	2	4			44	6	2			26	4	0		
05	58	5	7			55	4	4			44	4	2			26	2	0		
06	54	7	10			53	4	6			44	4	2			26	2	0		
07	44	6	12			41	6	4			40	4	4			26	4	2		
08	*31					*37					*33					*27				
09	32	8	6			28	5	5			26	10	6			24	4	0		
10	34	6	8			27	6	2			24	8	2			24	3	2		
11	27	5	2			24	5	3			22	6	4			22	5	0		
12	26	5	2			23	6	3			24	4	5			24	2	2		
13	30	1	4			25	5	4			26	6	6			24	2	0		
14	30	7	4			29	7	6			32	5	5			26	3	2		
15	34	5	5			33	4	10			38	2	6			28	2	2		
16	36	6	8			37	7	8			42	2	4			28	4	2		
17	44	7	12			47	4	7			44	4	2			30	2	2		
18	54	6	6			56	6	5			46	2	2			28	2	3		
19	60	6	10			59	6	2			46	4	2			28	2	2		
20	60	6	8			59	5	3			46	3	2			30	2	2		
21	60	6	8			59	3	2			48	5	4			31	3	3		
22	60	6	8			57	5	4			47	3	3			30	1	4		
23	60	6	9			57	4	3			46	4	2			30	2	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month February 1959

Hour (LST)	Frequency																																							
	13 kc					51 kc					160 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	162	2	2			140	6	2			118	6	5			90	3	5			65	4	7			60	4	4			49	4	2			28	4	2		
01	162	4	3			140	6	4			116	7	2			89	5	5			64	5	6			58	6	2			50	3	4			27	4	1		
02	162	4	2			140	6	4			118	4	4			89	5	5			64	6	6			60	6	6			49	4	5			27	3	2		
03	162	4	4			140	6	6			118	4	6			89	4	7			66	6	9			62	6	4			48	5	4			27	1	3		
04	162	4	2			140	4	4			117	5	6			87	6	6			66	6	10			60	6	5			47	4	4			26	3	2		
05	162	4	2			140	4	5			116	4	8			83	6	10			63	7	7			58	7	4			46	5	3			26	2	2		
06	162	2	4			134	3	6			104	9	8			67	10	14			56	9	9			54	8	6			45	3	4			26	3	2		
07	158	4	4			129	7	7			100	8	14			66	7	9			46	5	12			44	7	8			40	4	6			26	2	2		
08	*160					*132					*98					*64					*36					*40					*35					*24				
09	158	4	4			129	5	10			100	8	14			61	6	6			26	7	2			29	5	6			29	8	6			23	1	3		
10	158	2	4			128	4	10			95	13	9			59	8	4			31	5	7			26	4	4			26	7	5			22	2	2		
11	158	2	8			120	4	8			96	16	8			67	9	10			27	6	3			25	5	5			25	8	6			22	2	2		
12	158	4	4			121	6	5			103	16	10			75	17	10			28	10	4			26	6	6			29	8	8			22	4	2		
13	161	3	6			136	7	6			110	13	10			81	20	10			30	31	6			28	26	4			33	10	8			24	8	2		
14	163	5	4			138	13	6			113	14	10			87	16	9			30	32	4			32	20	8			37	10	9			26	6	2		
15	164	4	4			139	9	7			115	12	9			87	13	7			42	26	14			38	17	10			41	4	6			28	4	2		
16	164	2	5			142	4	10			116	6	9			87	10	7			48	8	18			40	10	7			43	2	2			28	2	2		
17	162	4	2			140	5	6			113	6	8			87	8	9			48	8	12			48	6	6			47	2	4			30	0	4		
18	162	2	5			141	3	7			119	3	9			93	3	11			54	6	10			58	4	2			49	3	6			26	2	2		
19	160	4	4			141	5	7			120	6	8			93	4	12			62	6	8			62	6	8			49	2	4			26	2	2		
20	162	3	6			142	4	7			120	5	7			91	5	10			62	6	4			62	6	4			49	4	6			28	2	2		
21	161	5	5			142	4	6			118	6	5			89	8	7			62	6	6			62	6	6			49	4	2			30	2	2		
22	162	2	4			140	8	6			118	6	5			89	7	6			62	6	6			60	4	7			49	4	4			30	2	4		
23	162	3	4			142	4	6			118	6	6			91	5	5			64	6	8			62	2	6			49	4	4			28	4	2		

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

RADIO NOISE DATA

Station THULE, GREENLAND Lat. 76.5N Long. 68.8W Type Recorder ARN-2 Month APRIL 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc *																							
Fam	124	124	122	122	120	120	124	122	120	122	118	120	118	118	118	122	119	120	120	124	122	121	126	126
Du																								
Dℓ																								
Vdm																								
Ldm																								
	113 kc *																							
Fam	109	119	111	113	105	105	109	109	111	114	110	107	106	106	109	110	107	107	111	115	105	107	111	109
Du																								
Dℓ																								
Vdm																								
Ldm																								
	246 kc *																							
Fam	93	103	89	89	81	83	91	83	89	88	91	85	84	85	87	87	86	97	95	95	91	94	97	91
Du																								
Dℓ																								
Vdm																								
Ldm																								
	545 kc *																							
Fam	81	78	69	70	69	67	67	71	65	66	71	67	67	69	67	78	66	69	68	74	67	73	77	75
Du																								
Dℓ																								
Vdm																								
Ldm																								
	2.5 Mc *																							
Fam	46	55	49	49	43	39	47	37	47	47	52	47	47	44	45	44	49	48	59	59	41	47	45	45
Du																								
Dℓ																								
Vdm																								
Ldm																								
	5 Mc *																							
Fam	40	42	40	34	34	30	30	26	26	39	31	32	26	30	26	30	28	28	34	34	32	34	38	40
Du																								
Dℓ																								
Vdm																								
Ldm																								
	10 Mc *																							
Fam	30	29	29	27	27	21	21	23	15	21	15	23	15	15	21	18	19	22	25	26	27	27	27	29
Du																								
Dℓ																								
Vdm																								
Ldm																								
	20 Mc *																							
Fam	23	24	22	25	23	23	21	21	21	27	23	21	21	22	19	19	19	24	21	23	21	21	21	27
Du																								
Dℓ																								
Vdm																								
Ldm																								

RADIO NOISE DATA

Station THULE, GREENLAND Lat. 76.6 N Long. 68.7 W Type Recorder ARN-2 Month MAY 19 58

	L S T																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	118	118	118	118	118	118	118	118	118	*118	120	116	119	120	119	118	118	118	118	120	120	120	120	120
D_u	13	4	8	4	2	6	7	4	9		6	7	11	13	10	13	6	4	8	11	4	8	7	4
D_ℓ	2	2	4	2	2	4	4	4	4		6	0	4	6	4	2	2	3	4	4	4	4	4	4
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{om}	102	104	102	102	101	100	101	102	103	*104	108	104	104	106	105	108	104	102	103	104	104	104	104	104
D_u	14	12	18	12	23	20	20	6	12		8	12	10	14	16	11	9	11	9	10	16	12	10	15
D_ℓ	4	6	4	4	3	4	4	6	3		8	5	6	7	7	8	6	4	3	6	8	6	6	6
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	87	87	83	85	81	82	83	85	81	*84	83	83	86	90	89	89	85	87	88	92	91	93	92	83
D_u	16	20	20	17	20	15	25	12	16		14	18	9	9	14	19	13	10	14	7	9	12	16	18
D_ℓ	15	13	9	14	8	11	11	12	6		4	5	6	10	11	9	8	12	15	15	12	16	17	8
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	67	65	65	65	65	66	65	65	69	*67	69	69	69	71	69	69	67	67	67	67	69	67	67	67
D_u	22	28	30	15	14	11	10	11	12		17	14	10	13	23	15	8	24	28	21	9	16	29	25
D_ℓ	6	4	4	4	4	5	5	3	8		8	8	8	11	9	7	4	4	4	4	6	6	6	4
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}																								
D_u																								
D_ℓ																								
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station THULE, GREENLAND Lat. 76.6 N Long. 68.7 W Type Recorder ARN-2 Month JUNE 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	116	116	116	116	114	116	114	114	116	113	112	114	114	114	114	116	116	116	116	116	116	116	116	116
D_u	5	6	5	5	11	3	6	8	1	4	6	11	6	6	3	6	4	3	4	5	11	7	9	8
D_ℓ	4	5	5	8	7	10	6	7	9	5	6	8	6	6	5	4	6	7	8	6	7	6	6	5
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	102	100	100	102	98	100	98	100	100	100	100	100	102	102	100	102	100	100	100	101	100	100	100	100
D_u	5	6	5	8	13	11	8	7	6	8	11	11	6	8	11	10	6	5	5	10	6	7	6	8
D_ℓ	9	7	6	9	7	7	6	8	6	8	6	4	10	10	6	10	6	7	7	7	6	7	7	7
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	75	74	74	74	78	78	78	74	78	78	78	77	82	75	76	76	76	74	72	72	72	74	74	72
D_u	14	20	17	15	20	13	12	17	10	14	8	18	8	17	16	19	12	10	12	24	19	21	20	19
D_ℓ	9	7	8	9	11	12	11	8	10	8	10	9	18	10	8	6	8	8	7	6	6	8	9	8
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	63	63	63	61	63	65	63	61	63	63	64	65	65	61	68	63	65	61	63	61	65	63	63	61
D_u	20	22	18	21	22	14	14	19	14	12	14	10	16	21	12	14	11	12	12	18	12	19	20	15
D_ℓ	10	10	10	8	13	13	8	10	9	12	7	12	12	8	14	8	8	8	8	7	14	10	10	8
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	48	46	46	42	48	42	46	44	48	45	44	38	40	46	40	48	46	46	44	46	44	42	42	42
D_u	10	11	15	14	12	16	12	10	14	20	10	22	20	12	25	13	14	16	23	14	18	13	15	13
D_ℓ	14	13	14	6	14	10	12	10	14	7	8	3	8	16	10	15	12	13	12	8	10	18	9	12
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	40	36	34	32	38	36	32	34	36	36	36	28	30	30	32	36	36	33	30	34	36	35	34	36
D_u	12	17	15	18	8	8	15	11	18	11	9	25	19	16	20	17	14	19	23	21	18	14	17	15
D_ℓ	14	14	11	12	20	18	12	14	15	12	12	8	8	10	12	14	16	11	8	10	17	11	13	11
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{om}	24	25	24	22	20	18	18	16	16	16	18	14	12	15	16	18	21	21	20	22	24	24	24	27
D_u	8	7	9	6	6	10	12	11	14	13	16	18	16	15	11	12	5	12	4	6	7	6	7	6
D_ℓ	8	11	8	8	8	10	8	8	8	8	9	6	4	7	8	10	13	11	11	10	10	9	8	14
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	19	23.	21	23	23	21	21	23	22	21	21	19	19	19	21	21	21	21	21	21	21	21	21	21
D_u	17	12	10	8	6	8	16	4	9	13	14	8	14	11	10	8	8	11	4	10	14	9	10	15
D_ℓ	4	8	6	8	8	6	6	8	7	4	6	4	4	4	6	6	6	6	6	6	6	6	6	6
V_{dm}																								
L_{dm}																								

RADIO NOISE DATA

Station THULE, GREENLAND Lat. 76.6 N Long. 68.7 W Type Recorder ARN-2 Month JULY 1958

	LST																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	51 kc																							
F_{am}	120	120	120	118	116	116	116	116	116	114	*112	*112	114	114	*114	114	116	116	116	118	118	118	120	120
D_u	4	4	6	6	6	4	4	6	4	6			4	6		6	6	7	8	6	4	6	4	4
D_ℓ	4	7	6	6	6	6	6	6	6	4			6	6		2	4	4	4	6	4	2	4	4
V_{dm}																								
L_{dm}																								
	113 kc																							
F_{am}	100	102	100	102	100	102	102	104	96	92	90	*94	94	*96	*95	94	96	96	96	104	104	100	100	100
D_u	8	6	8	6	8	9	6	14	12	6	8		8			17	8	11	11	2	4	8	8	8
D_ℓ	7	9	7	10	8	12	14	14	10	2	2		4			4	8	8	6	12	11	7	6	7
V_{dm}																								
L_{dm}																								
	246 kc																							
F_{am}	72	72	72	72	74	72	72	72	68	*62	*68	*68	68	*68	70	68	69	70	72	72	72	72	72	72
D_u	15	16	20	13	11	13	13	12	13				12		12	14	18	18	16	15	6	12	19	15
D_ℓ	2	3	4	5	6	8	7	8	7				10		8	4	7	9	9	7	8	6	5	4
V_{dm}																								
L_{dm}																								
	545 kc																							
F_{am}	63	61	59	59	59	55	57	61	55	*57	*56	*55	56	*58	59	61	63	57	57	59	59	59	61	62
D_u	12	9	26	12	12	18	22	9	10				15		10	10	7	20	16	12	13	22	12	12
D_ℓ	11	10	4	6	6	4	6	6	8				11		12	6	13	12	8	6	4	6	8	11
V_{dm}																								
L_{dm}																								
	2.5 Mc																							
F_{am}	43	43	46	43	45	41	43	41	39	33	*35	*37	*35	*39	31	33	31	37	37	43	43	43	45	43
D_u	24	24	24	24	11	22	26	20	20	32					28	14	22	12	24	18	12	19	18	19
D_ℓ	8	12	13	12	12	21	8	8	7	4					4	6	4	12	10	13	6	6	8	8
V_{dm}																								
L_{dm}																								
	5 Mc																							
F_{am}	38	42	42	36	36	36	36	36	48	32	40	*30	34	*34	44	33	36	31	34	34	34	34	38	38
D_u	18	17	16	24	24	24	22	22	6	22	14		22		12	21	14	27	18	25	24	22	22	20
D_ℓ	14	18	22	14	12	15	17	13	28	14	16		12		24	13	16	13	16	14	10	8	14	10
V_{dm}																								
L_{dm}																								
	10 Mc																							
F_{am}	25	25	25	23	19	21	21	17	15	*16	*17	*13	15	*14	*15	*17	*18	*19	*22	*22	*24	*24	25	27
D_u	14	14	8	10	6	10	16	18	10				16										18	12
D_ℓ	2	8	8	6	4	8	10	8	6				8										4	6
V_{dm}																								
L_{dm}																								
	20 Mc																							
F_{am}	23	23	23	25	21	23	23	23	21	*23	*27	*22	22	*20	21	*19	21	21	23	23	*21	23	23	25
D_u	6	18	12	10	4	12	10	20	14				9		6		10	10	6	4		10	18	6
D_ℓ	2	4	2	4	2	6	4	4	6				5		4		4	4	6	6		4	4	8
V_{dm}																								
L_{dm}																								

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month August 19 58

Frequency (Mc)

Hour (LST)	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	116	4	6			93	7	8			69	10	6			54	10	4			*36					*36					26	8	5			23	7	5		
01	118	2	6			93	4	8			69	9	4			56	10	8			*35					*34					24	3	3			22	8	4		
02	114	8	4			91	7	8			69	10	10			56	9	10			36	10	2			*30					23	6	2			22	10	4		
03	*115					*91					*70					*56					*34					*28					*21					*22				
04	*114					*91					*67					*56					*34					*23					*19					*24				
05	*114					*92					*69					*54					*32					*24					*17					*24				
06	*114					*92					*71					*53					*32					*21					*13					*24				
07	*114					*93					*68					*54					*31					*22					*15					*24				
08	*114					*89					*71					*54					*34					*22					*14					*24				
09	*112					*91					*67					*54					*34					*20					*15					*26				
10	*114					*92					*70					*56					*36					*18					*13					*24				
11	114	4	8			91	11	6			67	8	2			50	14	4			*35					21	9	5			13	4	2			24	6	6		
12	112	6	4			89	10	6			69	6	6			54	10	8			38	6	8			30	6	12			15	6	4			24	10	4		
13	114	0	4			91	10	6			*70					55	12	7			34	16	4			*22					*18					22	12	4		
14	114	2	6			93	15	6			69	10	4			54	8	8			36	12	10			21	18	5			17	6	4			22	8	0		
15	114	2	9			93	5	11			73	6	8			54	14	7			34	14	6			22	12	6			19	4	6			22	10	2		
16	114	4	9			91	11	10			68	7	3			56	8	10			34	12	6			23	15	5			19	6	6			22	8	4		
17	114	2	4			91	6	6			71	12	6			54	12	10			34	8	4			22	20	6			*24					*22				
18	114	2	6			93	3	8			71	8	10			53	11	7			34	12	6			*23					23	8	4			22	8	2		
19	114	2	10			89	6	4			69	10	6			53	9	9			34	12	4			*30					25	12	4			24	6	2		
20	114	2	8			88	5	3			73	4	6			54	12	8			34	10	4			*30					25	4	4			22	8	4		
21	116	0	8			91	4	4			71	8	4			53	13	7			*37					*33					*27					22	10	4		
22	116	2	7			91	4	4			71	12	8			56	8	8			*36					*34					*27					22	8	4		
23	116	2	8			92	3	3			71	8	2			56	10	10			*36					*36					*25					24	6	6		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 6.6 N Long. 68.7 W Month September 1958

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	123	5	3			112	4	12			85	4	13			73	10	6			49	9	7			42	4	4			28	5	5			25	6	4		
01	124	4	6			112	2	14			84	4	10			75	6	8			47	16	4			42	6	7			27	6	4			24	9	5		
02	124	4	6			114	2	14			81	8	7			76	8	9			49	7	6			44	4	8			27	6	4			24	7	5		
03	122	6	3			112	5	13			83	8	6			75	7	10			47	10	8			45	15	7			27	7	5			27	8	7		
04	124	2	6			112	4	14			84	7	8			73	10	8			47	8	12			42	8	6			27	6	6			24	8	4		
05	122	6	4			110	4	14			82	6	7			74	7	8			47	8	6			40	8	6			25	6	6			25	9	6		
06	122	5	5			110	6	12			81	8	8			73	9	11			47	8	7			42	6	11			24	5	6			25	9	6		
07	122	5	6			108	8	12			83	5	10			71	9	8			49	6	5			38	14	3			23	7	4			24	17	6		
08	122	6	7			108	9	12			83	5	8			72	7	7			48	6	9			39	21	4			21	16	6			25	11	5		
09	*120					*104					*79					*72					45	15	6			36	24	6			21	14	6			*23				
10	122	6	4			106	10	8			83	6	12			*73					45	12	10			37	16	7			21	7	2			23	8	6		
11	*122					104	12	6			79	10	6			73	10	4			*47					*36					21	7	5			24	3	6		
12	122	4	6			108	8	12			79	9	9			73	10	7			43	14	4			34	8	4			21	4	2			23	4	6		
13	122	6	8			106	8	8			81	8	12			71	9	4			45	12	6			36	15	6			21	4	2			23	4	3		
14	122	4	6			106	9	8			81	11	7			73	7	4			45	18	9			35	8	5			24	5	4			24	3	3		
15	122	4	6			104	10	7			85	8	11			71	6	6			45	7	7			36	15	6			27	5	8			23	5	4		
16	122	4	6			104	13	10			81	8	10			73	8	7			45	8	4			34	6	4			23	6	6			23	6	4		
17	122	4	7			106	9	10			81	9	10			73	9	11			47	6	8			36	8	4			23	4	4			23	4	4		
18	123	3	6			106	8	9			83	4	11			75	8	9			45	12	10			38	4	8			25	6	4			25	5	5		
19	123	3	5			109	5	13			81	9	8			72	9	10			45	12	6			40	11	6			27	6	4			25	6	6		
20	124	2	4			112	2	14			83	6	13			75	7	8			49	6	8			40	10	8			27	4	6			25	4	6		
21	124	4	4			112	4	12			83	8	12			77	6	11			49	9	8			42	10	10			27	4	6			24	7	5		
22	124	4	2			112	4	12			83	7	11			73	8	8			48	4	5			42	6	10			27	6	6			24	7	3		
23	124	4	4			110	4	10			84	5	9			73	9	7			49	4	6			42	8	2			27	6	6			25	9	6		

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76. 6 N Long. 68. 7 W Month November 19 58

Frequency (Mc)

Hour (LST)	51 kc					113 kc					246 kc					545 kc					* 2. 5 Mc					* 5 Mc					* 10 Mc					* 20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	124	3	4			118	2	4			95	4	6			86	2	5			59					52					34					30				
01	124	6	4			118	4	5			93	4	7			84	4	3			59					52					32					28				
02	124	5	4			118	4	4			93	4	4			84	4	2			59					52					24					26				
03	122	6	2			118	3	6			93	4	4			86	2	4			57					50					32					26				
04	122	5	3			118	6	6			93	4	4			84	3	2			59					52					26					27				
05	122	6	2			116	5	4			93	6	4			84	3	2			57					48					37					28				
06	124	4	3			116	6	6			93	7	5			84	2	4			55					50					34					29				
07	122	5	2			118	3	5			93	4	6			84	4	4			53					50					33					24				
08	124	4	4			118	5	6			91	4	2			84	4	4			55					51					20					26				
09	124	2	4			116	6	4			93	6	4			84	3	6			54					51					20					28				
10	124	6	4			116	6	4			93	4	5			84	2	6			54					51					31					30				
11	122	7	2			116	5	3			92	7	5			82	4	4			57					48					34					31				
12	124	6	3			116	6	2			93	2	4			84	2	4			58					50					38					27				
13	124	6	4			116	8	2			93	4	2			84	4	4			56					51					30					26				
14	124	6	4			118	6	6			93	3	4			84	5	4			59					50					37					27				
15	124	4	4			118	3	6			93	5	5			84	5	5			56					48					32					26				
16	124	5	4			118	4	6			93	4	3			84	4	2			57					48					38					26				
17	124	4	4			118	4	3			93	4	4			86	3	5			58					51					34					26				
18	124	4	1			120	4	5			93	4	4			86	3	8			55					52					33					26				
19	124	4	4			118	5	2			95	2	6			86	4	5			59					50					34					26				
20	124	5	4			117	6	3			93	5	5			86	5	6			59					51					34					26				
21	125	3	5			118	6	5			93	2	4			86	2	4			59					51					36					26				
22	124	5	4			118	4	5			93	5	4			84	5	5			57					53					37					28				
23	124	6	4			118	3	5			93	4	4			86	2	6			57					54					36					27				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month December 19 58

Hour (LST)	Frequency (Mc)																																							
	51 kc					113 kc					246 kc					545 kc					* 2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	125	4	4			118	6	5			94	6	7			85	8	6			60					*47					28	2	4			26	6	6		
01	127	4	6			118	6	10			94	6	4			84	7	7			59					*48					*28					26	6	6		
02	125	6	4			118	2	7			92	10	4			82	9	4			65					*43					*26					24	6	2		
03	125	4	4			116	6	4			94	5	7			84	6	5			58					*47					26	4	8			24	4	4		
04	125	2	6			116	3	6			94	4	8			82	8	4			60					*44					*28					24	4	2		
05	125	2	4			116	6	6			94	4	6			82	6	4			54					*45					28	4	10			24	4	4		
06	125	2	4			114	6	3			94	6	5			82	9	2			58					*47					*28					*24				
07	125	3	6			114	4	5			94	6	4			82	6	2			56					*45					*28					*25				
08	125	2	4			*116					*96					*84					59					*47					*28					*26				
09	*123					*120					94	4	4			84	2	4			57					*47					*28					*26				
10	125	4	2			119	3	5			94	6	2			84	4	6			58					*47					*30					*26				
11	125	2	4			115	6	4			96	3	5			84	5	6			60					*47					*29					*26				
12	125	5	4			118	3	7			94	5	5			84	5	6			60					*45					*28					*26				
13	125	3	5			116	6	4			96	5	4			84	8	4			60					*47					*30					*28				
14	125	2	2			118	4	6			94	7	5			84	4	4			61					*47					*29					*26				
15	125	5	5			118	2	5			94	4	3			84	4	4			58					*47					*30					26	4	4		
16	125	4	6			118	4	4			96	2	6			84	2	4			56					*47					28	4	6			27	2	4		
17	125	4	6			116	6	4			94	6	6			83	5	3			54					*47					28	4	4			26	1	4		
18	121	6	2			116	8	4			94	6	8			85	5	7			56					47	4	6			28	4	4			27	2	3		
19	123	4	4			116	4	4			94	6	6			82	6	4			58					47	2	4			27	5	5			27	3	7		
20	125	4	6			118	2	6			94	4	6			84	4	4			58					*47					28	2	12			26	2	3		
21	125	4	4			117	5	5			94	6	6			84	4	6			58					*47					28	2	12			26	0	3		
22	125	4	6			118	6	6			94	6	6			82	8	4			56					*49					*28					26	2	6		
23	125	4	4			117	7	5			96	4	8			85	5	7			57					*47					28	2	8			24	6	4		

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month January 19 59

Hour (LST)	Frequency																																							
	51 kc					113 kc					246 kc					545 kc					2.5 Mc					5 Mc					10 Mc					20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	124	2	7			122	2	6			97	6	4			89	2	4			61	2	4			47	4	2			28	2	4			26	2	4		
01	124	2	5			120	4	4			97	6	2			89	4	4			62	3	1			49	2	4			28	2	4			24	6	4		
02	123	5	5			120	4	2			97	4	2			91	2	6			63	2	4			49	4	4			26	2	2			26	2	2		
03	124	2	4			122	4	6			99	2	6			89	2	4			63	2	6			47	6	2			26	4	2			24	4	4		
04	124	2	4			118	6	4			98	5	3			88	3	3			61	4	2			49	2	4			26	4	4			26	2	2		
05	122	4	4			119	5	5			97	4	4			89	2	8			63	1	3			47	6	4			26	4	4			26	2	4		
06	122	4	6			118	4	2			98	3	5			87	4	4			63	2	4			49	2	4			26	4	4			26	2	4		
07	123	3	3			120	4	4			97	6	4			89	2	4			63	1	5			49	4	4			26	4	4			26	4	4		
08	122	4	2			120	6	7			99	4	7			89	2	7			61	4	1			47	6	2			26	4	4			26	4	2		
09	124	3	4			120	6	4			99	4	6			87	4	2			63	4	5			49	4	2			*26					*28				
10	122	5	2			118	6	2			97	7	4			88	5	1			63	2	2			49	4	4			*26					26	4	4		
11	122	4	2			121	3	5			95	4	4			87	4	2			61	4	3			47	8	2			26	2	3			26	8	2		
12	122	4	2			120	4	4			97	4	4			87	4	4			61	2	4			47	6	4			26	5	5			26	4	2		
13	124	2	4			120	6	4			97	6	8			89	2	2			61	2	4			47	6	2			26	4	4			26	4	4		
14	124	2	6			120	4	2			97	6	4			87	4	2			61	4	4			47	4	4			26	4	4			26	4	4		
15	122	4	4			120	6	4			97	4	4			89	4	4			61	4	2			47	4	4			28	2	4			25	5	3		
16	122	4	5			120	4	4			97	6	4			89	2	6			63	2	2			47	4	2			28	4	4			26	4	4		
17	122	4	3			119	7	5			97	6	6			89	6	4			61	4	0			47	4	2			28	2	4			24	6	0		
18	122	4	4			118	8	2			97	4	4			87	4	2			61	4	4			47	4	4			28	4	4			24	4	2		
19	122	4	4			120	4	4			97	6	4			87	4	2			61	4	2			47	2	2			26	4	2			24	4	2		
20	122	4	2			120	4	4			97	4	4			87	6	2			61	4	2			47	2	2			26	6	2			24	6	2		
21	124	2	6			120	4	6			97	6	4			87	4	2			62	5	3			47	4	2			28	4	4			24	4	2		
22	122	4	4			120	6	4			99	2	6			89	4	4			61	4	5			47	4	0			28	2	4			24	4	2		
23	124	2	6			122	4	8			97	6	4			89	4	4			61	4	4			47	4	2			28	2	4			24	4	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month February 19 59

Hour (LST)	Frequency 51 kc					113 kc					246 kc					545 kc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	118	4	2			112	5	5			90	4	4			81	8	8		
01	118	4	2			114	3	5			88	6	4			81	8	6		
02	118	4	2			113	4	5			90	6	4			81	8	7		
03	118	4	2			113	4	6			90	10	4			78	12	4		
04	120	2	4			115	2	8			90	6	4			81	8	7		
05	118	4	4			111	6	8			88	8	4			81	9	7		
06	118	4	2			111	6	8			88	8	4			79	11	6		
07	118	4	2			111	6	4			88	8	4			79	8	6		
08	118	2	2			112	5	5			*88					*89				
09	*120					*111					*90					*80				
10	*117					*106					*92					*78				
11	*118					111	6	8			88	4	4			78	9	2		
12	118	4	2			115	2	10			90	4	6			79	10	4		
13	118	4	2			113	4	10			*88					81	8	8		
14	120	2	4			117	0	12			*88					*79				
15	119	5	3			116	3	11			88	10	4			82	7	7		
16	118	4	2			115	2	8			88	6	6			79	8	4		
17	118	4	2			116	1	12			88	6	4			81	8	7		
18	118	4	2			115	4	10			90	4	8			83	7	8		
19	118	4	2			115	2	8			88	6	4			81	9	7		
20	118	4	2			117	1	10			90	4	4			81	7	4		
21	120	2	2			116	2	10			90	6	4			81	8	5		
22	118	4	2			111	6	5			88	8	2			81	6	7		
23	120	2	4			115	2	7			92	2	8			81	8	7		

Hour (LST)	* 2.5 Mc					* 5 Mc					* 10 Mc					* 20 Mc				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	63					46					24					23				
01	60					48					25					23				
02	59					48					26					25				
03	62					48					25					25				
04	59					46					25					24				
05	60					48					24					23				
06	61					48					25					25				
07	61					48					25					26				
08	61					47					27					23				
09	61					48					21					23				
10	55										27					24				
11	53					46					24					24				
12	63					48					24					24				
13	63					49					24					27				
14	61					50					22					25				
15	60					48					24					23				
16	61					48					25					23				
17	59					48					24					23				
18	59					48					25					23				
19	61					47					24					24				
20	60					48					27					23				
21	59					50					25					25				
22	59					46					27					25				
23	62					46					25					25				

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Winter (*** Jan. ***) 19 57 - 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	130					128					116					124					124	4	10			128	4	8		
.113	114					108					93					101					106	5	11			114	4	8		
.246	104					94					78					82					92	8	10			98	2	10		
.545	91					78					57					62					79	4	8			92				
2.5	60					58					57					58					62	5	3			64	5	3		
5	54					48					28					26					49	5	6			56	4	6		
10	39					36					41					19					36	6	4			41				
20	30					30					30					31					32					31				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

***No December or February data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Spring (*** Apr. May) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	135	13	7			133					132	10	4			135	15	5			134	17	6			135	15	7		
.113	127	4	14			126					121	10	8			125	10	17			121	13	16			124	5	10		
.246	110	8	10			112					104	24	14			108	18	21			106	13	18			110	7	12		
.545	95	8	8			94					93	24	20			97	16	26			93	14	18			96	11	13		
2.5	70	5	8			66	6	8			59	5	8			61	11	9			62	14	8			67	7	10		
5	62	4	4			57	5	5			40	16	8			43	18	12			53	13	6			61	6	5		
10	48	4	4			45	4	6			34	8	9			35	12	10			45	8	5			49	5	4		
20	29	5	4			27	6	4			26	5	5			27	9	4			30	9	4			30	6	4		

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

***No March data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station BALBOA, C.Z. Lat. 9.0 N Long. 79.5 W Season SUMMER (JUNE JULY AUGUST) 19 58

Frequency (Mc)	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	145	6	6			145	7	8			143	7	9			144	9	9			143	8	7			143	7	8		
.113	132	6	5			134	6	9			130	8	14			132	10	11			129	8	9			130	7	5		
.246	116	8	6			116	9	10			114	10	16			116	11	11			112	11	10			114	9	6		
.545	101	9	8			100	11	14			100	11	18			102	12	19			98	10	14			100	8	7		
2.5	72	3	6			68	6	6			61	8	5			64	15	9			65	10	7			71	5	8		
5	64	2	3			60	4	6			45	12	15			49	18	18			56	9	7			63	3	5		
10	48	2	5			43	4	4			35	12	8			39	11	9			46	6	5			48	3	4		
20	30	6	4			28	8	4			27	9	5			31	11	6			32	8	4			30	7	4		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Fall (Sept. Oct. Nov.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	143	6	6			141	7	8			135	11	9			136	12	6			139	9	6			141	6	6		
.113	130	6	7			127	8	10			118	15	14			124	14	13			124	12	8			127	7	6		
.246	107	6	7			102	10	12			91	19	16			101	17	16			100	14	9			105	8	8		
* .545																														
2.5	70	4	6			64	5	7			57	6	10			60	14	11			61	11	8			66	6	5		
5	61	4	3			55	4	6			39	17	10			40	22	15			54	9	6			60	4	4		
10	44	3	4			41	4	5			27	11	7			34	13	9			44	5	4			46	2	3		
20	28	5	4			28	6	3			26	7	3			32	7	5			32	6	2			31	4	3		

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

*Signal contamination at 0. 545 megacycles

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Winter (Dec. Jan. Feb.) 19 58-59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	128	7	5	10.0	18.0	126	8	4	11.0	18.5	117	11	8	14.5	23.0	123	7	6	11.0	18.0	124	6	7	11.5	19.0	127	6	7	10.5	18.0
.113	113	8	5	6.5	10.0	106	12	8	10.0	16.0	94	15	10	9.0	15.0	98	12	10	8.5	14.5	104	8	9	10.5	14.5	112	7	6	6.5	10.5
.246	100	8	6	8.0	14.5	89	15	10	11.0	18.5	76	17	6	9.0	14.5	78	14	6	8.0	13.5	90	9	7	9.5	17.0	98	8	6	8.5	15.0
*.545																														
2.5	56	7	6	7.5	13.5	51	9	9	9.0	15.5	28	10	5	6.0	9.0	27	8	5	5.0	7.0	41	8	6	5.5	9.5	55	7	7	6.0	11.0
5	54	4	5	6.0	10.5	51	6	5	7.0	11.0	24	9	6	8.0	12.0	22	8	6	7.0	10.0	48	6	7	6.5	11.0	56	5	6	6.0	10.0
10	39	4	4	6.0	10.0	37	6	5	5.0	8.5	20	9	4	7.5	11.0	21	7	5	7.0	10.5	38	5	4	5.0	8.5	41	3	4	5.5	12.5
20	19	3	1	2.0	4.0	24	2	1	2.0	4.0	22	4	3	3.5	5.5	23	4	2	3.5	5.5	26	3	2	3.5	5.5	25	3	2	3.0	5.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*Signal contamination at 0.545 megacycles

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Summer(*** July ***) 19 57

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	142					135					131					141					144	9	7			144	4	8		
.113	126					114					111					125	10	12			128	10	12			128	5	8		
.246	109					96					91					112	8	20			114	12	21			112	6	8		
.545	88					67					74					96					96					92				
2.5	73	5	8			40	12	8			26	10	4			59	14	38			60	14	24			71	6	8		
5	65	4	4			46	6	12			26	12	6			43	13	23			54	6	18			66	4	5		
10	47	6	4			42	5	7			31					39	7	9			46	4	5			52	3	6		
20	28	4	4			28	5	4			26					28	6	4			31	5	6			28	4	4		

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

D_u ≐ ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

***No June or August data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Fall (*** Oct. ***) 19 57

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	130	7	8			124	8	8			116	12	12			122	9	15			128	7	10			129	9	7		
.113	114	7	10			104	10	13			89	18	12			100	14	18			110	8	12			113	9	9		
.246	98	7	12			84	11	10			74	9	2			79	13	7			92	12	10			97	11	8		
.545	85	6	8			74	5	6			68	5	4			68	9	4			80	10	6			88	8	9		
2.5	56	11	9			46	8	12			26	7	6			27	10	7			48	11	11			57	9	6		
5	56	6	8			46	6	4			26	6	10			26	8	12			47	9	6			54	7	8		
10	42	4	2			38	5	2			26	8	4			30	8	6			42	5	3			44	2	4		
20	23	2	2			26	2	3			27	7	4			28	6	2			30	4	2			25	2	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

***No September or November data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Winter (*** Jan. ***) 19 57-58

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	121	6	3			121	4	4			104	12	5			102	12	8			110	7	8			119	7	9		
.113	99	10	4			95	6	5			78	12	4			78	10	4			92	9	4			97	10	4		
.246	80	13	5			76	8	5			72	4	3			71	5	1			74	11	3			79	15	6		
.545	73	10	8			74	7	6			69	3	4			70	4	4			74	5	5			81	8	6		
2.5	48	11	7			42	10	4			20	3	1			20	2	0			34	10	4			46	12	6		
5	51	7	3			48	6	4			21	6	4			18	4	4			40	7	4			48	8	4		
10	42	5	4			38	4	4			26	6	3			28	4	4			40	4	3			42	4	4		
20	24	1	3			26	2	4			28	3	4			28	4	3			29	4	3			24	4	3		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

***No December or February data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43. 2 N Long. 105. 2 W Season Spring (*** Apr. May) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	137	6	6			129	6	10			126	7	12			133	7	10			135	11	9			138	9	8		
.113	121	6	7			107	10	11			104	12	15			115	10	16			118	14	13			122	11	10		
.246	106	6	8			86	8	12			83	15	10			95	12	22			101	14	18			108	12	10		
.545	87	10	8			69	8	11			68	12	9			79	15	20			80	21	19			90	15	10		
2.5	69	5	7			42	8	10			23	16	8			35	19	32			52	16	20			69	6	9		
5	64	2	5			46	4	7			27	7	7			31	19	16			51	13	8			64	6	4		
10	48	4	3			42	2	5			34	4	5			38	6	6			47	5	5			50	3	4		
20	32	3	6			32	4	4			31	4	4			32	4	7			33	4	5			32	4	5		

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

***No March data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Summer (June *** Aug.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	140					132					130					138					143					143				
.113	124					114					110					123	9	10			129	9	10			127	7	6		
.246	106					95					89					106	16	12			112	14	17			110	9	10		
.545	91					74					72					90					96					95				
2.5	68	4	6			42	7	9			25					46					57	23	18			69	4	8		
5	63	2	4			46	5	4			30	7	1			39	18	4			53	11	13			64	3	4		
10	46	3	3			41	3	3			35	3	2			38	5	3			48	3	5			50	2	4		
20	33					33					32					33					33					33				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

***No July data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Fall (Sept. Oct. ***) 19 58

TIME BLOCKS (LST)

	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	127	7	5			122	9	7			114	9	9			119	8	6			124	9	6			128	9	6		
.113	111	9	4			102	11	8			95	16	9			100	16	9			107	14	7			112	12	5		
.246	96	9	5			82	15	6			77	15	5			81	12	10			91	16	10			96	11	6		
.545	86	8	5			77	9	5			69	8	5			69	16	6			82	15	7			90	7	6		
2.5	58	8	7			46	8	8			21	5	3			21	20	2			49	12	9			56	11	6		
5	57	5	5			47	6	6			19	9	3			22	14	7			47	9	6			55	7	6		
10	43	3	3			39	4	3			28	6	3			32	5	4			44	4	3			45	3	4		
20	23	4	1			27	7	3			29	5	4			30	4	4			32	4	4			25	6	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power
***No November data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Winter (Dec. Jan. Feb.) 19 58 - 59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	120	9	5			118	8	7			105	9	7			103	11	8			108	10	7			117	9	7		
.113	104	8	5			97	8	6			88	7	8			88	8	9			99	6	8			103	8	8		
.246	85	11	8			79	11	6			74	7	4			74	8	3			78	7	6			84	13	6		
.545	79	7	6			76	6	5			67	4	4			66	4	5			75	7	6			83	6	7		
2.5	46	9	6			42	8	6			21	4	4			19	3	>2			34	8	5			45	9	5		
*5																														
10	39	4	4			36	6	4			30	4	3			29	3	4			39	4	2			40	4	3		
20	23	1	2			25	2	2			28	3	3			28	3	3			28	4	3			22	2	1		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power
*Signal contamination at 5 megacycles

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Summer (June July Aug.) 19 57

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	140	5	5	6.5	13.0	133	5	6	9.5	17.0	132	3	4	11.5	19.0	142	8	6	9.5	15.5	144	7	7	8.0	13.5	143	6	6	7.0	13.0
.113	125	5	6	6.0	12.5	116	7	10	9.5	18.5	113	7	5	12.0	20.0	128	10	12	10.0	17.5	132	8	11	8.0	15.0	129	7	8	7.0	12.0
.246	110	7	8	6.5	12.0	97	8	15	9.5	17.5	94	11	10	11.5	18.5	113	14	16	10.0	18.5	118	9	14	8.0	15.0	114	8	8	6.0	11.5
.545	93	7	8	5.5	11.5	78	10	7	5.5	10.5	80	16	9	6.5	11.5	100	14	20	9.5	17.5	102	10	18	8.0	15.0	98	7	7	5.0	10.0
2.5	72	6	5	3.5	8.5	52	6	6	3.0	7.5	47	8	3	2.0	4.0	60	17	12	7.0	13.0	65	11	13	5.0	10.5	73	6	5	3.5	8.0
5	63	4	4	3.5	8.0	49	5	5	4.0	7.5	43	6	6	1.5	4.0	50	17	8	5.0	11.0	57	9	6	3.0	7.5	65	6	4	3.0	7.5
10	45	4	4	3.5	7.0	40	6	4	4.5	8.5	32	8	6	4.5	7.0	40	10	7	4.5	9.0	49	5	4	3.0	6.5	48	5	4	3.5	7.5
20	22	4	3	1.0	3.0	22	5	3	1.5	4.0	23	9	3	2.5	5.0	26	11	5	3.5	6.0	27	8	4	3.0	6.0	23	7	2	2.0	3.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Fall (Sept. Oct. Nov.) 19 57

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	132	8	7	9.0	16.0	128	8	7	10.0	19.0	121	11	9	12.5	20.5	125	13	11	10.0	17.5	130	10	10	9.5	16.0	134	7	8	8.5	16.0
.113	117	8	9	8.0	15.0	116	14	13	10.0	18.0	99	16	16	10.5	21.0	103	19	16	8.5	15.0	114	11	12	7.5	15.0	117	12	8	7.5	14.5
.246	102	10	10	7.5	14.0	90	13	10	8.0	16.0	82	16	4	7.0	10.5	86	18	11	6.5	11.5	95	15	14	6.5	12.0	102	12	10	7.5	14.0
.545	88	9	8	5.5	12.0	83	7	8	4.5	9.0	77	6	6	3.0	5.0	79	11	7	4.0	7.0	88	9	7	5.0	9.5	93	7	6	4.5	9.0
2.5	60	9	9	4.5	8.5	52	8	7	4.0	7.0	46	4	5	1.5	3.0	47	8	4	2.0	3.0	53	11	6	3.0	5.0	60	9	9	4.0	8.0
5	56	6	6	4.0	8.0	49	5	6	3.5	7.5	39	5	8	1.5	3.0	41	5	6	2.0	3.0	51	7	5	3.0	6.0	55	5	7	4.0	8.0
10	44	4	4	3.0	6.0	39	4	6	3.5	6.5	28	9	4	3.0	4.5	31	7	4	3.0	5.5	44	5	4	3.0	6.5	44	4	4	3.5	6.5
20	23	2	1	1.0	2.5	25	3	2	2.0	3.0	26	5	3	1.5	3.5	29	5	3	2.0	4.0	31	5	4	2.0	4.0	24	3	2	2.0	3.5

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Winter (Dec. Jan. Feb.) 19 57-58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	120	9	6	10.0	18.0	121	7	6	11.0	19.0	108	9	6	11.0	18.5	107	13	7	12.0	18.0	116	9	8	11.0	18.5	122	9	7	10.0	17.5
.113	103	12	7	7.5	13.0	94	12	7	9.0	14.0	78	14	5	4.0	7.0	81	16	7	4.0	8.5	96	13	7	8.0	13.0	102	13	7	8.0	13.5
.246	85	15	7	7.0	11.0	77	12	5	5.0	10.0	73	6	3	5.0	8.5	73	7	3	4.0	7.5	78	16	6	5.0	10.0	86	15	7	7.0	12.0
.545	78	8	6	4.5	9.0	81	6	6	3.5	6.5	74	7	8	2.5	4.0	76	8	9	2.5	6.0	82	7	10	3.5	7.0	86	8	5	3.0	7.0
2.5	52	9	4	3.5	6.0	50	6	3	3.0	5.0	46	2	3	2.5	3.5	48	2	2	2.5	3.5	49	5	3	3.0	4.0	51	10	4	3.0	5.0
5	51	6	4	5.0	9.0	49	5	4	4.0	7.5	38	2	3	2.0	4.0	39	2	2	2.5	4.0	46	6	4	3.5	5.5	50	6	5	5.0	8.0
10	43	3	4	5.0	8.0	39	4	4	4.5	7.0	28	4	2	3.0	4.5	30	4	4	3.5	5.0	42	4	3	5.0	8.0	44	3	4	5.0	8.0
20	23	2	1	2.0	3.0	25	3	1	2.5	4.0	27	5	2	3.0	4.5	28	4	2	3.0	5.0	29	4	3	3.0	4.5	24	2	2	2.5	4.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Spring (Mar. Apr. May) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	130	7	7	13.0	20.0	123	8	8	13.0	22.0	119	10	8	13.5	22.0	124	12	8	11.5	19.5	129	9	12	11.0	19.0	132	9	8	11.0	18.5
.113	116	8	9	12.0	19.5	104	11	14	13.5	23.0	99	12	17	11.5	22.5	106	15	14	13.0	21.0	114	12	13	12.5	20.5	118	10	10	10.5	17.5
.246	101	8	12	12.0	20.5	84	12	11	12.5	23.0	81	14	8	10.5	17.5	90	15	10	11.5	20.0	98	15	13	10.5	19.5	102	12	10	11.0	18.0
.545	86	8	9	10.5	19.5	78	7	9	8.5	15.5	76	10	6	10.0	22.5	84	12	10	12.5	22.5	87	15	9	10.0	19.0	92	9	7	10.0	17.5
2.5	63	8	7	5.0	10.0	50	8	7	4.0	6.0	45	6	4	1.5	3.0	48	10	7	2.5	3.5	55	10	8	4.0	10.5	64	8	8	5.5	7.5
5	59	5	5	5.5	9.5	47	7	5	4.5	8.0	38	4	5	2.0	4.5	42	9	6	3.0	5.0	52	8	6	5.0	10.0	59	6	5	5.5	10.0
10	45	4	4	4.5	8.0	39	4	5	4.5	7.5	28	5	4	3.5	6.0	34	8	6	5.0	8.0	45	5	5	4.5	7.5	46	4	5	4.5	8.0
20	23	3	1	1.5	3.0	25	4	3	2.5	4.5	24	6	3	3.0	6.0	26	8	4	3.5	5.5	28	8	4	3.0	4.5	24	5	2	2.5	4.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Summer (June July Aug.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	138	5	7	9.0	15.0	130	6	4	12.0	20.0	130	7	6	12.0	19.0	140	10	7	9.5	14.5	143	7	8	8.5	13.0	142	5	7	9.0	14.0
.113	125	6	6	9.0	14.5	114	8	6	13.0	21.0	111	9	8	11.5	19.5	126	10	12	10.5	17.5	130	9	9	9.0	16.0	128	8	6	8.0	14.0
.246	110	7	7	8.5	14.5	98	10	12	12.0	21.0	94	14	16	11.5	20.5	114	12	16	11.0	18.5	117	11	14	9.5	16.0	114	9	8	8.0	13.5
.495	93	6	7	7.0	13.0	74	13	12	8.0	13.5	77	19	12	7.0	11.0	106	11	19	10.0	17.5	102	11	16	9.5	17.0	97	9	7	7.0	13.0
2.5	71	6	4	4.5	7.5	51	8	6	4.0	7.0	46	13	4	4.0	3.0	60	20	13	7.0	9.0	66	13	14	6.0	8.5	72	5	4	4.0	7.0
5	62	5	4	4.0	6.5	49	6	5	4.0	6.0	42	7	6	2.5	3.0	50	16	7	3.5	5.0	57	10	6	4.0	6.0	64	5	3	4.0	6.5
10	46	6	4	5.0	8.0	40	5	4	5.5	8.0	31	9	5	4.5	5.5	40	12	8	4.5	7.0	48	6	4	4.0	6.0	48	4	3	4.5	7.0
20	24	3	2	2.0	3.5	24	5	3	3.5	4.0	26	6	3	4.0	4.5	29	9	4	4.0	5.0	30	8	4	4.0	5.5	26	5	3	3.5	4.5

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Fall (Sept. Oct. Nov.) 1958

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	127	6	4	9.5	15.5	122	7	6	11.5	18.0	116	7	6	11.0	18.0	120	9	7	10.0	16.5	126	6	6	8.5	15.0	127	6	4	9.0	15.5
.113	112	6	4	7.0	10.5	101	11	8	9.5	13.5	92	12	7	7.0	9.0	98	13	8	7.0	10.5	108	10	7	6.0	9.0	112	8	5	6.0	9.0
.246	97	8	6	8.0	13.5	81	15	6	9.0	13.5	74	13	5	6.5	10.5	80	18	9	6.0	10.5	91	13	10	7.0	13.0	98	10	6	7.5	13.0
.495	86	7	6	8.0	13.5	67	12	6	6.5	10.5	61	9	4	4.0	6.5	66	16	8	5.0	9.5	78	12	9	6.0	10.5	86	9	6	7.0	11.5
2.5	60	9	8	4.5	7.5	54	10	7	3.0	5.5	48	12	6	2.0	3.0	49	12	4	2.0	4.0	55	10	6	3.0	6.0	56	9	7	4.5	7.5
*5	58	4	4	5.0	8.0	51	5	5	4.0	6.5	43	2	7	3.0	4.5	44	6	8	2.0	5.0	52	5	5	4.0	7.0	56	5	6	4.5	8.5
10	44	3	3	5.0	8.5	39	4	3	4.5	7.0	30	4	3	3.5	5.5	34	6	3	4.0	6.5	45	3	2	4.0	7.5	45	3	2	4.5	8.0
20	23	1	1	2.0	3.0	26	3	2	2.5	3.5	28	3	3	2.5	3.5	30	4	3	2.5	4.5	31	6	3	2.5	4.5	25	4	2	3.0	3.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*September and October only because of signal contamination at 5 megacycles

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Winter (Dec. Jan. Feb.) 19 58 - 59

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	118	8	5	9.0	15.0	116	6	5	9.5	16.0	103	8	6	10.0	15.5	103	12	9	10.0	17.0	110	9	8	10.5	16.0	116	9	6	8.5	15.0
.113	101	10	7	5.0	7.5	93	10	8	5.5	8.5	83	12	7	5.0	7.5	83	12	7	5.0	6.5	95	8	7	3.0	3.5	101	8	8	5.5	7.0
.246	84	12	8	8.0	13.0	75	9	6	6.0	9.0	70	5	3	6.0	8.0	70	7	3	6.0	9.0	76	10	6	6.5	10.5	84	12	8	6.5	11.5
.495	73	12	8	7.0	12.0	63	8	5	4.5	7.0	59	5	4	2.5	4.5	60	8	4	2.0	4.5	66	9	5	4.5	8.0	73	11	7	6.0	11.0
2.5	50	8	5	3.0	5.0	48	8	4	2.5	4.5	44	5	4	2.0	3.5	45	5	5	2.0	3.5	47	5	3	2.5	4.0	51	7	5	3.0	5.0
*5																														
10	40	4	6	4.5	8.5	37	6	5	3.5	6.0	28	4	3	2.5	4.0	28	4	3	3.0	5.0	40	4	3	4.0	7.0	40	3	4	4.0	8.0
20	23	1	1	1.5	3.0	26	2	1	2.0	3.5	28	3	3	2.5	4.0	29	4	3	2.5	4.0	29	5	4	2.5	4.5	23	2	2	1.5	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*Signal contamination at 5 megacycles

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Fall (Mar. Apr. May) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	117	5	9			120	4	9			118	4	9			118	6	10			120	5	9			119	6	13		
.113	92	3	3			92	4	2			91	4	2			92	2	4			93	4	4			92	5	5		
.246	72	9	6			73	9	6			72	5	5			72	6	5			75	6	6			72	7	5		
.545	53	6	4			54	5	3			53	7	3			54	6	7			54	6	5			53	7	4		
2.5	24	8	5			24	9	5			24	10	5			24	6	5			25	10	6			24	10	6		
5	29	9	7			23	8	5			21	6	3			24	6	4			27	11	7			30	10	10		
10	17	7	7			12	7	8			12	4	6			13	7	6			18	7	6			19	6	6		
20	20	2	2			20	2	2			20	3	2			20	3	2			20	2	2			20	2	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Winter (June July Aug.) 19 58

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	121	6	6			120	7	6			121	7	6			124	6	5			121	7	6			120	7	7		
.113	91	10	4			91	9	3			90	11	2			91	11	3			92	9	5			91	8	5		
.246	72	14	6			74	12	5			72	12	4			75	12	6			73	9	6			73	9	4		
.545	58	13	5			56	11	4			56	10	3			59	10	4			59	8	4			58	9	4		
2.5	27	15	4			27	12	3			25	11	4			26	9	2			26	10	2			26	9	3		
5	27	14	9			22	12	6			24	8	6			28	7	9			30	9	13			28	11	12		
10	17	7	7			14	7	8			14	5	6			16	5	5			18	5	8			20	6	8		
20	22	2	2			20	2	2			21	1	2			21	1	2			21	2	2			21	2	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Spring (Sept. Oct. Nov.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	124	3	5			124	2	6			124	2	6			124	3	6			125	2	7			124	2	5		
.113	93	3	4			94	3	4			93	2	4			93	3	4			94	3	4			93	3	3		
.246	73	6	3			73	6	3			72	5	2			73	5	3			75	5	3			74	4	3		
.545	59	6	4			56	10	4			58	7	4			61	7	5			62	7	5			60	6	3		
2.5	22	7	4			22	5	4			22	6	4			24	6	5			28	9	6			24	11	6		
5	25	10	9			18	9	5			16	6	2			18	6	4			26	8	8			31	9	12		
10	24	8	7			16	6	8			16	6	6			19	6	7			26	6	6			28	5	8		
20	18	3	2			18	3	2			18	3	2			19	2	2			20	4	2			19	3	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Summer(Dec. Jan. Feb.) 1958 - 59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	117	4	8			116	4	8			115	4	10			115	3	10			116	3	10			119	4	9		
.113	91	3	5			90	3	5			91	4	5			91	3	5			91	3	6			91	3	5		
.246	75	4	2			75	3	2			76	3	3			76	4	3			76	4	2			78	4	3		
.545	59	4	4			57	4	3			59	4	4			58	3	4			60	4	5			59	5	4		
2.5	24	7	3			24	6	3			23	6	3			22	7	3			23	7	3			23	9	4		
5	19	10	4			18	7	4			17	7	2			17	7	2			18	9	2			23	9	7		
10	20	5	6			17	5	6			14	5	4			15	6	6			20	6	5			22	6	6		
20	18	3	1			18	2	2			18	3	1			19	3	2			20	3	1			20	4	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Winter (*** *** Aug.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	2	3			155	3	2			151	4	4			150	5	5			150	4	6			155	3	4		
.051	121	7	4			118	7	4			112	11	6			113	11	7			113	12	6			122	9	7		
.160	90	12	8			82	15	9			61	19	4			60	20	3			72	25	13			89	14	9		
.545	68	15	12			58	11	7			50	6	4			50	5	4			57	14	6			70	18	12		
2.5	52	12	6			44	8	6			25	7	4			24	5	4			33	10	6			50	10	6		
5	51	6	4			47	5	5			24	7	6			23	5	6			39	8	8			54	8	5		
10	41	3	2			38	4	3			20	7	5			20	8	6			36	5	5			41	4	3		
20	24	2	0			24	1	2			20	5	2			22	4	2			26	4	2			26	2	1		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

***No June or July data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Spring (Sept. Oct. Nov.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	157	3	2			155	2	3			151	4	4			154	6	5			156	4	5			156	4	4		
.051	130	4	6			123	6	5			116	9	8			122	8	9			124	12	8			129	7	6		
.160	105	7	10			87	16	9			72	24	10			85	24	17			94	21	15			104	11	8		
.545	83	9	10			59	14	5			52	12	5			53	22	6			66	22	9			86	12	9		
2.5	59	9	8			45	9	8			28	10	7			25	14	6			42	14	12			61	10	9		
5	55	7	6			44	7	6			25	9	6			25	10	9			44	11	10			58	5	8		
10	45	4	4			40	5	4			22	11	5			26	12	7			44	6	6			45	4	4		
20	24	6	2			24	2	2			20	4	2			22	5	2			27	10	3			27	11	3		

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Summer (Dec. Jan. Feb.) 19 58 - 59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	161	4	4	10.5	16.0	158	4	3	11.5	18.5	155	5	5	14.0	22.0	159	6	6	11.0	16.5	162	4	5	8.5	14.5	162	5	5	9.0	17.0
.051	136	5	6	10.5	17.5	128	6	6	11.5	13.5	123	7	9	14.5	13.5	130	8	8	9.5	10.5	132	10	6	7.0	9.5	137	5	6	8.5	14.0
.160	112	7	7	9.0	17.5	95	14	10	11.0	18.5	85	17	13	13.5	21.0	97	15	14	9.0	16.5	105	14	12	7.0	13.0	115	6	8	7.0	14.0
.545	90	8	9	8.5	17.5	65	12	7	5.0	15.0	55	10	5	3.0	15.5	55	23	6	3.5	15.0	68	21	8	4.5	12.5	92	7	10	7.0	15.0
2.5	63	9	8			48	9	8			24	7	4			21	17	3			40	20	8			67	7	8		
5	57	6	5			47	6	6			26	5	6			23	9	7			43	9	7			60	5	6		
10	45	4	3			40	6	3			24	7	5			26	7	6			42	5	5			47	4	4		
20	23	2	2			22	3	1			21	3	2			22	4	3			25	4	3			25	4	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Spring (*** Apr. May) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	120	7	7			108	14	8			107	14	7			113	7	5			115	8	7			121	5	7		
.113																														
.246	81	8	7			72	8	3			76					81					86					93	13	9		
.545	69	10	6			61	8	4			61	3	7			62	4	8			67	5	6			76				
2.5	58	11	8			40	6	8			35					38	6	7			50	4	5			58	6	7		
5	55	8	4			42	8	5			28					27					43	6	8			58	4	5		
10	48	5	8			44	6	8			34					39					49	3	6			53	3	4		
20	24	3	2			25	1	4			25					28	3	5			30	4	6			26	5	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power
***No March data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station ENKOPING, SWEDEN Lat. 59.5 N Long. 17.3 E Season SUMMER (JUNE JULY AUG) 1958

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	126	6	7			118	8	9			122	7	8			128	8	5			128	5	7			128	6	6		
.113																														
.246	86	10	8			71	14	8			79	14	11			93	14	12			91	9	8			93	7	6		
.545	64	7	4			56	6	4			59					60					64	10	4			75				
2.5	61					38					31					37					47					60				
5	60					41					25					35					47					61				
10	47					41					33					38					46					52				
20	22					22					24					26					26					24				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Fall (Oct. Nov.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	116	6	6			114	5	7			104	7	8			105	8	9			110	8	5			116	5	7		
.113																														
.246	80	5	7			75	6	7			78	10	8			87	7	9			93	9	8			94	10	9		
.545	73	6	6			71	8	8			59	11	5			64	10	7			84	8	10			87	8	6		
2.5	46	8	7			42	8	9			40	4	12			46	5	6			50	7	8			49	6	6		
5	49	6	6			45	6	6			25	8	6			26	9	5			43	5	7			50	4	6		
10	38	5	3			38	5	5			34	4	7			35	6	4			42	6	6			41	8	5		
20	21	2	1			23	2	2			27	6	4			31	6	7			25	4	2			22	2	1		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Winter (Dec. *** Feb.) 1958-59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	114	3	3			112	5	4			100					100	4	4			108	5	4			113	4	3		
.113																														
.246	75	6	5			74					85					87					89					87				
.545	66	6	4			71					68					68					79					83	9	7		
2.5	45					43					38					46	2	4			45	4	6			45				
5	47					44					26					26	8	4			47	5	5			49	5	4		
10	33	2	3			35					33					33					42	2	6			38				
20	21					21	1	1			26					29	5	5			23	2	3			21	1	2		

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

***No January data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Fall (*** *** Nov.) 1957

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	107	12	9			102	10	8			95	13	710			91	15	9			96	14	8			102	16	7		
.535	92	7	5			77	7	5			61	6	4			61	4	4			76	10	6			86	8	6		
2.18	58	13	7			50	11	6			30	5	5			30	4	4			49	9	8			59	10	7		
10	42	8	3			40	6	4			35	8	6			36	7	7			48	8	7			46	14	5		
20	22	5	4			27	7	8			33	8	10			29	8	8			28	12	6			23	10	4		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

***No September or October data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Winter (Dec. Jan. Feb.) 19 57-58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	104	7	6			100	8	6			91	8	6			92	6	6			95	7	6			104	6	7		
.535	88	9	5			78	11	7			61	11	4			60	8	4			69	10	7			84	9	7		
2.18	58	10	9			52	9	7			33	7	4			31	6	4			47	10	7			59	8	9		
5	61	6	6			56	7	6			36	5	3			32	4	3			52	8	7			65	5	6		
10	43	7	5			40	6	4			34	5	4			34	5	6			45	7	6			46	6	6		
20	21	2	3			23	2	4			28	3	4			28	3	3			29	4	3			23	4	3		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Spring (Mar. Apr. May) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800.					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	114	10	7			107	10	6			100	9	5			103	14	7			106	14	8			114	10	8		
* .500	88					71					70					74					79					85				
** .535	93					78					65					67					73					89				
2.5	69	8	8			52	11	7			32	7	4			36	19	5			50	16	10			69	8	8		
5	63	6	6			51	8	6			31	5	4			32	10	2			49	10	6			65	8	5		
10	48	6	5			45	6	6			34	7	5			36	8	4			48	6	5			50	4	5		
20	26	3	2			26	2	2			28	3	3			30	4	3			31	4	4			28	4	3		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*May only

**March and April only

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Summer (June July Aug.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	121	8	6			117	9	8			112	12	8			120	16	14			122	15	16			123	10	8		
.500	89	9	7			75	7	7			69	10	7			80	29	14			85	26	15			87	16	8		
2.5	73	7	6			52	8	6			32	7	4			44	30	10			55	25	15			72	9	8		
5	63	5	4			50	6	5			29	7	3			37	23	7			53	12	11			65	6	5		
10	49	4	4			46	5	4			36	5	4			41	9	7			48	6	5			52	5	3		
20	28	2	1			28	2	1			27	2	2			28	7	2			31	5	3			30	3	2		

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Fall (Sept. Oct. Nov.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	109	7	4			104	10	5			96	14	4			97	17	6			100	17	5			110	10	4		
.500	84	8	6			69	11	5			57	9	3			58	11	4			65	13	6			82	10	6		
25	63	10	7			51	9	6			31	5	5			30	7	4			47	10	5			61	8	6		
5	57	6	4			49	6	4			31	5	2			28	7	3			48	8	5			58	5	6		
10	44	4	5			40	6	5			32	6	4			34	6	4			44	5	4			45	5	4		
20	25	2	1			25	2	2			28	2	2			29	3	2			32	2	2			28	2	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Winter (Dec. Jan. Feb.) 19 58 - 59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	100	8	6			97	9	5			90	7	4			96	6	4			92	7	5			100	7	5		
.500	76	8	7			65	10	6			54	4	6			55	3	4			61	7	5			72	9	7		
2.5	54	10	5			50	10	5			34	5	4			32	4	3			43	7	4			54	9	5		
5	51	5	5			48	7	4			31	5	4			29	3	4			45	6	4			52	5	3		
10	39	6	3			36	4	3			32	5	3			32	4	3			42	4	4			42	4	4		
20	24	1	1			24	1	1			28	1	2			27	2	2			28	2	2			25	2	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Spring (Mar. Apr. May) 19 58

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	139	7	6			135	10	10			130	13	10			135	8	8			144	9	6			143	7	7		
.113	126	8	7			120	12	13			114	16	16			122	10	12			130	11	8			129	8	6		
.246	111	8	9			143	16	14			94	20	18			106	14	17			115	15	11			113	11	8		
.545	93	8	9			80	19	15			72	21	16			89	14	18			98	18	12			94	11	7		
2.5	71	5	6			61	10	9			44	14	8			53	16	13			69	17	9			75	5	6		
5	60	4	4			55	7	8			36	13	7			40	12	7			59	8	6			62	3	4		
10	45	3	4			42	5	5			33	6	6			36	6	3			47	7	3			45	5	3		
20	28	4	3			28	4	3			24	4	4			29	7	4			31	13	5			28	6	4		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Summer (June July Aug.) 19 58

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	136	5	5			129	7	7			123	9	9			130	6	5			134	5	5			137	4	4		
.113	123	5	6			112	9	13			105	12	16			113	9	11			120	7	7			124	4	4		
.246	108	6	7			90	10	13			77	16	10			87	14	12			99	9	9			106	5	6		
.545	92	7	9			73	10	9			60	11	5			67	13	13			83	9	10			93	5	5		
2.5	68	7	5			57	19	7			41	37	6			42	34	10			59	17	7			72	5	4		
5	59	4	4			53	7	5			34	12	5			36	18	9			58	6	5			63	3	3		
10	43	6	6			41	7	6			30	10	6			35	6	6			48	3	3			45	6	5		
* 20	27	9	3			28	8	4			25	8	5			29	7	3			19	9	3			26	5	4		

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

* June and August data only

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Fall (Sept. Oct. Nov.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	136	5	5			130	7	6			124	9	7			136	7	6			143	7	6			140	8	5		
.113	112	6	6			109	12	10			103	16	12			121	10	11			128	9	7			126	8	6		
.246	107	7	6			87	12	10			79	21	12			102	15	14			112	10	11			110	11	8		
.545	89	9	7			69	16	11			61	20	10			82	20	14			93	14	10			92	10	6		
2.5	67	9	5			56	17	9			47	28	13			56	20	17			69	12	10			71	9	6		
5	60	4	4			53	7	8			34	14	7			44	12	10			61	7	5			63	4	5		
10	45	4	3			39	6	4			29	7	7			39	6	7			47	4	3			46	6	4		
20	32	6	4			29	8	3			28	9	5			34	10	3			31	14	4			30	5	3		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Winter (Dec. *Jan. ***) 1958-59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	135	10	5			132	11	9			128	14	12			130	10	10			137	6	11			136	7	6		
.113	126	10	8			122	12	11			117	12	15			117	12	14			128	9	16			127	9	8		
.246	102	12	11			96	14	17			86	19	15			88	17	19			101	8	17			102	11	9		
.545	90	14	14			80	16	15			68	16	12			72	22	16			86	10	14			89	10	11		
2.5	61	9	16			56	15	16			43	22	15			47	28	16			61	11	8			63	12	18		
5	54	7	13			54	8	14			35	9	12			41	18	11			58	8	8			57	7	8		
10	41	6	10			38	8	10			29	18	10			34	10	11			44	6	6			43	7	11		
20	30	10	4			29	10	4			30	7	6			30	12	6			31	6	5			32	8	6		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*No D_u and D_ℓ for January.

***No February data.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W Season Spring (*** Apr. May) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155	2	2			154	2	2			150	3	2			148	3	2			148	3	3			152	2	2		
.051	128	4	3			124	5	3			105	8	5			106	6	5			104	5	5			119	4	3		
.160	99	6	6			86	7	5			67	12	8			63	11	6			68	7	6			92	6	6		
.545	74	8	6			66	6	4			56	3	4			55	5	3			59	5	4			72	7	5		
2.5	50	6	4			47	6	4			36	5	4			34	4	3			36	6	4			47	6	5		
5	59	6	7			47	5	5			27	6	4			24	6	3			39	4	5			51	3	6		
10	41	3	4			38	3	4			19	7	3			17	6	4			34	5	4			42	2	5		
20	28	11	4			25	6	1			18	4	1			19	4	3			25	3	2			28	7	3		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power
***No March data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W Season Summer (June July Aug.) 19 58

Frequency (Mc)	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155	2	2			154	3	3			151	3	3			151	2	2			149	3	3			151	2	2		
.051	125	4	4			122	5	5			112	5	5			113	4	3			109	5	5			121	4	5		
.160	94	8	9			85	9	9			64	11	9			63	8	7			67	8	6			90	9	7		
.545	69	10	9			62	9	7			54	4	4			53	4	3			56	5	4			66	9	6		
2.5	50	7	7			46	6	5			34	4	3			34	5	4			35	5	5			49	6	6		
5	58	5	6			46	6	6			27	5	4			25	4	4			38	4	6			51	3	4		
10	42	2	3			37	3	6			20	4	6			18	5	4			35	4	5			42	3	2		
20	27	5	6			24	4	2			21	3	3			21	2	3			26	3	4			27	6	5		

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha(Kauai), T. H. Lat. 22.0 N Long. 159.7 W Season Fall (Sept. Oct. Nov.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	4	4	11.0	17.5	154	3	3	11.0	17.5	150	4	3	10.5	16.5	149	4	4	12.0	19.0	148	3	4	12.0	19.0	152	4	3	10.5	17.0
.051	130	4	4	11.5	19.0	128	4	5	11.5	19.5	111	8	6	12.0	19.0	111	8	9	12.5	19.5	110	9	6	11.0	17.0	123	7	5	12.0	19.0
.160	105	9	6	13.0	18.5	95	9	7	13.0	20.5	72	17	11	10.5	15.0	70	16	10	7.0	9.5	77	14	8	8.5	13.0	98	11	10	12.5	20.5
.545	82	10	7	12.0	20.0	70	10	6	9.5	17.0	56	10	4	5.0	8.0	56	11	4	5.0	8.5	62	11	6	6.0	9.5	79	11	9	10.5	17.0
2.5	55	7	5	6.5	11.5	51	7	5	6.5	10.5	36	7	6	3.0	5.0	33	5	5	3.0	5.0	39	6	7	3.5	5.5	53	8	6	7.5	12.0
5	60	6	6	5.5	10.5	47	6	5	6.5	11.5	26	5	4	5.0	8.5	24	4	4	4.5	7.0	40	6	7	7.0	11.5	53	5	5	6.0	10.5
10	41	4	3	5.0	9.0	38	4	3	4.5	8.0	25	6	4	8.0	12.5	22	6	4	8.0	11.5	38	4	4	5.5	9.5	42	3	3	5.0	9.5
20	25	3	1	2.0	4.0	24	3	1	2.0	4.0	22	4	3	3.5	6.0	21	4	2	2.5	4.5	27	4	2	3.0	5.5	27	6	2	3.0	5.5

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha, (Kauai) T. H. Lat. 22.0 N Long. 159.7 W Season Winter (Dec. Jan. Feb.) 19 58 - 59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155	3	3	9.5	15.5	156	2	3	10.0	16.5	150	3	4	12.0	18.0	149	3	4	14.0	21.0	148	4	4	12.5	19.5	153	3	4	9.0	15.0
.051	129	5	4	10.0	16.5	129	4	3	11.0	18.0	113	11	8	14.0	21.0	109	12	7	15.0	22.5	108	13	8	13.0	19.0	122	8	6	11.5	17.5
.160	101	11	6	10.0	17.0	98	11	6	10.5	18.0	74	21	12	11.5	19.5	70	22	10	13.0	22.0	80	17	13	11.0	18.0	95	12	9	12.5	21.5
.545	79	13	8	10.5	17.5	72	12	7	9.0	15.5	56	13	5	6.5	11.5	54	14	5	7.0	11.5	63	14	7	11.5	12.5	77	13	9	9.5	15.5
2.5	56	9	5	7.0	11.5	55	8	6	7.5	12.0	36	11	5	3.0	5.0	31	7	3	3.0	4.5	36	11	5	3.5	5.5	52	10	7	7.5	12.0
5	60	6	6	5.0	9.5	49	7	4	6.0	9.5	30	7	4	5.5	8.5	26	6	4	6.0	9.0	41	6	5	7.0	13.5	54	5	4	5.5	10.0
10	41	4	3	4.0	7.0	38	5	4	4.0	6.5	31	7	5	7.0	11.5	24	7	5	9.0	13.5	38	5	4	7.0	11.0	42	4	3	5.0	8.5
20	24	2	1	2.0	3.5	24	1	1	2.5	3.0	20	4	2	3.5	5.5	20	4	2	3.0	5.0	24	4	2	3.0	5.0	26	4	2	2.5	4.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Summer (June July Aug.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	4	3			153	4	3			150	6	6			152	7	4			155	5	3			154	3	3		
.051	130	5	4			122	8	5			120	14	10			124	14	6			124	11	6			129	6	5		
.160	107	7	7			92	13	12			88	20	13			90	25	10			91	25	9			106	8	6		
.545	79	11	8			68	12	7			66	22	4			67	24	7			70	24	6			82	10	7		
2.5	57	7	7			42	9	6			28	10	3			29	23	3			39	17	5			55	6	8		
5	54	4	6			40	6	6			26	9	2			27	19	4			43	10	9			64	9	7		
10	44	3	3			37	4	4			23	11	4			26	10	5			41	4	5			45	4	3		
20	23	4	2			22	4	2			20	8	2			24	8	3			27	8	4			25	5	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Fall (Sept. Oct. Nov.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	4	3			151	4	4			150	5	4			150	5	4			151	6	3			152	5	2		
.051	130	6	4			123	9	6			115	10	6			118	10	7			121	10	7			130	6	5		
.160	108	7	6			93	15	10			84	19	12			84	19	11			94	16	10			105	10	6		
.545	82	10	8			74	14	6			70	12	5			71	12	5			84	12	7			95	7	6		
2.5	53	10	7			45	10	5			32	13	3			32	12	3			45	13	5			49	10	6		
5	53	8	8			52	8	9			30	8	4			33	8	5			61	9	9			68	10	8		
10	42	5	5			39	5	5			30	10	6			32	8	6			44	4	4			44	6	4		
20	23	2	2			23	3	2			22	5	3			24	6	3			27	6	3			25	6	3		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile ta median in db
D_ℓ = ratia af median ta lower decile in db
V_{dm} = median deviation af average valtage in db belaw mean pawer
L_{dm} = median deviation af average logarlthm in db below mean power

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Winter (Dec. Jan. Feb.) 19 58 - 59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	4	2	11.0	16.0	152	4	3	12.0	17.5	148	3	4	14.0	20.0	149	3	5	13.5	19.5	151	3	4	11.5	16.5	153	4	3	11.0	16.0
.051	130	5	5	12.0	18.5	123	7	5	13.5	19.5	108	12	4	15.0	20.0	112	8	7	13.0	16.0	117	11	6	11.5	17.0	129	6	4	11.0	16.5
.160	105	9	6	11.0	17.5	93	12	7	12.5	18.0	76	19	6	10.0	11.5	75	17	6	8.0	10.0	98	16	7	11.5	14.5	102	11	7	12.0	18.5
.545	81	10	5	10.0	15.5	77	9	5	9.0	14.0	71	6	4	8.0	12.5	72	7	4	8.0	12.0	83	8	6	9.5	13.5	90	9	7	9.0	13.5
2.5	50	11	5	7.0	11.0	45	11	5	8.0	9.0	32	4	3	4.5	6.5	32	5	3	4.5	6.5	44	10	4	6.0	8.5	50	11	5	5.0	8.0
5	51	8	5	6.0	10.0	57	8	8	7.5	12.5	30	7	4	8.0	11.0	32	6	5	7.0	10.0	64	7	8	8.0	13.5	69	10	8	7.5	12.5
10	47	9	5	4.0	7.0	40	8	4	4.5	6.5	34	9	6	6.5	8.0	34	6	4	5.5	7.5	50	6	5	4.5	7.5	52	6	7	4.0	7.5
20	24	2	1	1.5	3.0	24	3	1	2.0	3.5	24	4	2	3.0	5.0	24	4	2	3.0	5.0	28	5	3	3.0	5.0	24	3	1	2.5	4.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Summer (*** *** Feb.) 1957-58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	130					122					112					140					144					134				
.113	114					96					85					126					134					119				
.246	104					86					74					109					121					104				
.545																														
2.5	62					52					37					60					79					68				
5	53					46					26					47					62					56				
10	41					38					21					32					50					44				
20	27					26					24					28					41					30				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

***Only 5 days data available during this season.
No December or January data.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Fall (Mar. Apr. May) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	132	6	8			127	6	9			118	16	12			126	12	9			130	13	10			133	6	8		
.113	116	11	10			108	12	12			96	21	14			104	21	17			114	16	19			117	10	11		
.246	104	8	11			90	12	8			78	20	3			88	22	13			99	14	16			104	12	9		
.545	>90	16	>5			76	12	8			61	14	2			63	22	6			80	15	11			>89	19	>6		
2.5	66	9	9			56	16	8			40	14	3			44	18	8			58	14	13			69	8	12		
5	56	9	10			50	11	10			28	16	5			30	20	8			51	12	16			58	9	12		
10	42	4	4			40	5	5			26	13	6			31	12	11			45	6	8			45	6	5		
20	28	3	4			28	3	3			25	6	4			28	7	5			33	5	3			30	4	3		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station PRETORIA, S.AFRICA Lat. 25.8 S Long. 28.3 E Season WINTER (JUNE JULY AUG) 1958

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	122	10	5			119	10	6			107	15	7			113	10	7			116	10	7			122	10	6		
.113	105	11	8			96	14	8			80	21	6			81	22	7			89	18	9			102	11	7		
.246	95	11	9			90	9	8			84	8	10			84	9	7			86	9	8			92	12	8		
.545	84	10	8			69	10	7			58	5	3			58	5	2			66	12	5			81	13	6		
2.5	58	6	8			51	7	8			39	4	4			40	3	3			46	8	5			57	7	7		
5	48	8	4			45	6	6			27	5	5			25	7	4			40	9	7			48	7	4		
10	33	6	3			32	7	4			24	7	5			24	7	5			38	5	4			37	4	3		
20	26	0	2			26	3	2			22	4	3			23	4	2			28	3	2			26	1	2		

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Spring (Sept. Oct. Nov.) 19 58

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	134	9	8			126	10	8			123	12	13			132	13	10			136	12	11			136	13	8		
.113	118	12	10			107	14	15			101	18	22			116	17	22			122	14	22			120	17	10		
.246	102	14	8			87	17	12			79	21	11			98	20	25			102	16	20			105	17	11		
.545	93	11	8			68	16	7			60	24	6			79	24	24			85	20	18			95	14	9		
2.5	63	11	7			51	10	6			42	10	5			44	17	10			57	16	10			68	10	7		
5	56	8	6			47	7	8			30	11	5			34	20	9			53	11	12			60	8	8		
10	44	6	4			40	4	5			27	11	8			34	10	11			47	6	7			48	6	6		
20	27	17	2			26	13	2			24	6	1			28	6	2			34	5	3			31	6	3		

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Summer (Dec. Jan. Feb.) 19 58-59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	136	12	8			128	8	9			124	14	9			140	12	10			143	10	11			140	9	8		
.113	120	10	10			108	13	14			99	20	15			124	16	17			127	13	12			123	8	10		
.246	103	11	10			84	16	12			75	24	14			105	19	25			109	14	19			105	12	9		
.545	92	9	10			66	17	8			56	24	6			89	22	30			92	16	19			93	12	8		
2.5	64	7	8			48	8	8			36	15	7			49	28	17			62	17	18			67	8	6		
5	58	5	8			45	8	9			27	12	4			37	26	12			56	12	13			60	6	4		
10	44	4	5			38	5	6			24	10	8			35	15	11			47	7	5			46	5	4		
20	25	6	2			25	4	2			23	4	2			27	12	3			30	10	4			28	6	4		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Spring (Mar. Apr. May) 19 58

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	127	4	3			123	4	4			112	6	6			118	7	5			119	9	5			126	5	4		
.113	116					110	3	4			101	4	6			101	5	5			104					116				
.246	96	7	5			89	9	5			85	12	6			89	11	8			91	12	8			96	7	5		
.545	83	5	5			72	12	8			64	16	12			68	18	14			80	16	11			85	6	5		
2.5	57	6	6			50	8	7			38	11	5			38	10	5			46	9	6			59	7	4		
5	56	6	5			48	6	6			25	10	3			28	12	6			43	10	8			56	5	6		
10	45	4	4			41	4	5			32	8	10			30	12	9			46	7	6			48	6	5		
20	28	7	5			28	8	5			30	15	7			32	11	7			38	12	8			32	10	6		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Summer (June *** ***) 19 58

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	131					122					113					121					120					126				
.113																														
.246	98					84					78					79					82					99				
.545	83					70					61					66					67					82				
2.5	58	6	14			50	7	11			34	14	10			36	13	6			44	15	8			61	8	8		
5	54	6	10			40	7	6			22	12	6			28	15	9			38	15	10			57	6	8		
10	44	4	9			38	6	7			21	15	9			29	12	10			42	10	10			48	6	6		
20	24	3	4			22	6	2			22	8	4			24	4	5			29	6	4			26	5	4		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

***Only 10 days data used for this season.
No July or August data.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Fall (Oct. Nov.) 19 58

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	131	3	4			128	6	2			117					120					124	17	5			129	8	5		
.113																														
.246	102	5	7			93	8	4			80					83					92	16	14			102	10	9		
.545	86					78					63					69					80					90				
2.5	58	6	6			50	10	6			39					39					56	16	8			60	6	6		
5	54	6	4			50	5	7			28					30					52	10	6			55	6	4		
10	46	3	4			44					36					40					50	6	6			50				
20	31					30					36					35					35					34				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Winter (Dec. Jan. Feb.) 19 58-59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	126	5	6			125	7	5			110	8	8			110	9	9			111	10	7			123	5	5		
* .113																														
.246	95	6	9			89	9	9			78	12	6			78	9	5			82	14	6			92	7	7		
.545	82	6	9			75	9	8			62	12	6			62	14	7			74	12	8			84	4	9		
2.5	57	5	9			55	8	10			42	12	5			42	8	5			50	9	8			58	6	8		
5	63	5	7			56	6	7			32	12	4			28	14	8			49	6	8			54	4	6		
10	47	4	7			45	4	6			40	9	10			41	9	9			49	10	6			48	9	7		
20	30	8	3			31	6	4			34	10	3			34	7	3			35	7	4			32	6	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power
*Signal contamination at 0. 113 megacycles

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Season Fall (Mar. Apr. May) 19 58

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	132	12	6			129					124	8	16			127	9	15			131	14	12			131	9	8		
.113	120	14	8			111					104	10	28			108	13	22			113	15	14			118	12	10		
.246	103	14	14			93					84	7	10			85	16	8			93	22	12			101	14	9		
.545	87					79					78	7	6			76	13	9			84	14	10			89	7	8		
2.5	58					52					38	10	10			36	18	7			52	12	9			60				
5	53					54					37	4	7			34	4	8			54	4	7			60				
10	40					38					29	6	4			28	6	6			44	8	5			42				
20	29					27					26	5	4			31	13	6			39	16	8			34				

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station SINGAPORE, MALAYA Lat. 1.3 N Long. 103.8 E Season SUMMER (JULY and AUG) 19 58

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	161	6	10			160	5	10			158	4	10			160	6	8			161	4	8			159	4	9		
.051	139	6	5			138	6	8			132	12	7			136	12	8			137	8	7			137	6	6		
.160	120	5	7			118	8	13			109	14	13			114	16	12			114	10	11			117	5	7		
.545	92	8	10			88	14	13			80	19	14			90	19	17			91	11	13			91	7	10		
2.5	63	6	7			58	9	10			42	13	9			46	14	8			57	13	9			64	6	7		
5	55	7	10			51	6	11			36	8	8			39	24	10			52	9	8			57	6	8		
10	45	5	7			42	6	9			33	7	5			34	13	6			44	7	5			46	6	6		
20	25	2	3			23	5	2			22	8	2			22	9	2			25	5	2			27	4	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Fall (Sept. Oct. Nov.) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	160	4	3			161	4	4			156	9	10			160	10	7			162	5	6			161	5	4		
.051	141	3	6			136	7	7			130	12	9			136	10	8			139	4	6			141	4	5		
.160	118	4	6			109	9	9			102	12	17			116	10	14			116	5	9			118	5	5		
.545	95	7	4			86	15	12			78	19	18			93	10	17			92	8	7			93	6	6		
2.5	60	7	15			47	10	10			48	19	12			55	18	19			59	10	10			63	9	12		
5	55	6	12			48	8	8			34	15	12			43	12	15			53	6	9			57	8	11		
10	45	3	6			41	6	5			28	7	8			35	7	9			42	4	6			45	4	7		
20	29	6	2			27	4	2			23	9	5			27	8	5			28	7	3			30	10	2		

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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Winter (Dec. Jan. Feb.) 19 58-59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	159	4	3			157	4	3			152	4	5			156	4	4			157	3	4			159	3	4		
.051	137	5	4			133	5	5			125	6	8			130	7	6			136	4	8			138	5	6		
.160	116	5	5			106	7	8			95	10	11			104	11	9			110	6	8			115	5	7		
.545	88	4	8			72	10	8			67	8	6			76	12	10			84	7	9			89	6	8		
2.5	62	6	7			55	7	9			38	6	5			33	15	5			53	7	10			62	6	7		
5	58	4	4			52	6	5			38	5	4			36	11	6			52	6	4			60	4	4		
10	47	4	3			43	4	3			28	8	5			31	6	7			45	3	3			47	4	3		
20	28	2	2			26	3	1			24	3	2			25	4	2			28	2	2			29	2	3		

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Season Spring (*** Apr. May) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	126	7	3			120	5	4			119	7	3			119	12	4			120	7	3			122	6	4		
.113	108	14	4			104	17	4			108	11	5			107	13	7			107	10	5			106	13	6		
.246	90	18	13			84	16	10			86	16	5			87	13	9			91	11	12			92	14	13		
.545	70	24	4			67	12	4			68	14	8			70	15	9			68	20	4			70	20	6		
2.5	50					42					48					45					54					44				
5	39					30					32					28					31					36				
10	29					23					18					17					23					28				
20	24					22					23					20					22					22				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

***No March data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 N Season Summer (June July August) 19 58

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	117	5	6			115	6	7			113	5	6			114	4	6			116	14	6			117	5	6		
.113	98	6	8			98	10	10			94	9	6			96	10	8			96	7	7			97	6	6		
.246	72	14	6			73	14	9			71	12	8			72	12	8			71	14	7			72	14	6		
.545	60	15	8			58	16	8			57	12	9			59	13	9			58	12	9			59	14	9		
2.5	41	17	10			40	16	12			38	20	7			38	16	8			39	16	9			40	15	12		
5	36	17	15			31	17	15			31	14	14			31	16	12			30	20	12			35	19	12		
10	24	8	6			18	11	8			15	12	6			16	11	6			21	8	8			25	7	8		
20	22	11	5			23	10	6			23	12	6			21	10	4			22	8	5			22	10	5		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Season Fall (Sept. Nov.) 19 58

TIME BLOCKS (LST)

Frequency (Mc)	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	123	5	4			122	5	5			122	5	4			123	5	5			123	4	5			124	4	4		
.113	115	3	9			114	5	9			111	8	6			112	7	6			112	6	7			115	4	8		
.246	88	5	7			88	6	6			87	6	6			87	6	7			88	6	7			88	5	8		
.545	80	5	6			78	6	6			78	5	5			78	6	5			79	6	7			80	6	7		
2.5	53	10	6			52	8	8			51	11	8			51	13	6			51	10	7			53	6	7		
5	47	7	7			45	9	7			44	20	6			42	12	5			44	7	6			47	8	8		
10	29	6	4			29	6	6			24	11	5			29	4	4			30	6	4			31	4	6		
20	26	8	5			26	11	6			26	7	6			25	4	4			25	5	5			26	7	5		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Season Winter (Dec. Jan. Feb.) 1958 - 59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	122	4	4			122	3	4			122	3	3			122	4	4			121	4	4			122	3	4		
.113	117	4	5			115	5	5			116	5	5			118	4	8			117	4	6			118	4	6		
.246	94	6	4			93	6	5			94	4	4			93	6	5			93	5	6			94	5	5		
.545	84	6	5			83	6	5			84	4	4			84	5	4			84	6	5			84	6	5		
2.5	61	2	4			60	2	4			59	4	3			61	3	4			59	3	2			60	4	4		
5	47	4	3			47	4	4			47	6	2			47	5	4			47	3	3			47	4	2		
10	26	3	4			26	4	5			26	3	4			26	4	4			26	4	4			27	3	7		
20	25	4	4			25	3	3			25	5	3			26	4	3			25	3	3			25	4	3		

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

U.S. DEPARTMENT OF COMMERCE
Frederick H. Mueller, *Secretary*

NATIONAL BUREAU OF STANDARDS
A. V. Astin, *Director*

THE NATIONAL BUREAU OF STANDARDS

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

WASHINGTON, D.C.

Electricity and Electronics. Resistance and Reactance. Electron Devices. Electrical Instruments. Magnetic Measurements. Dielectrics. Engineering Electronics. Electronic Instrumentation. Electrochemistry.

Optics and Metrology. Photometry and Colorimetry. Photographic Technology. Length. Engineering Metrology.

Heat. Temperature Physics. Thermodynamics. Cryogenic Physics. Rheology. Molecular Kinetics. Free Radicals Research.

Atomic and Radiation Physics. Spectroscopy. Radiometry. Mass Spectrometry. Solid State Physics. Electron Physics. Atomic Physics. Neutron Physics. Radiation Theory. Radioactivity. X-rays. High Energy Radiation. Nucleonic Instrumentation. Radiological Equipment.

Chemistry. Organic Coatings. Surface Chemistry. Organic Chemistry. Analytical Chemistry. Inorganic Chemistry. Electrodeposition. Molecular Structure and Properties of Gases. Physical Chemistry. Thermochemistry. Spectrochemistry. Pure Substances.

Mechanics. Sound. Mechanical Instruments. Fluid Mechanics. Engineering Mechanics. Mass and Scale. Capacity, Density, and Fluid Meters. Combustion Controls.

Organic and Fibrous Materials. Rubber. Textiles. Paper. Leather. Testing and Specifications. Polymer Structure. Plastics. Dental Research.

Metallurgy. Thermal Metallurgy. Chemical Metallurgy. Mechanical Metallurgy. Corrosion. Metal Physics.

Mineral Products. Engineering Ceramics. Glass. Refractories. Enameled Metals. Constitution and Microstructure.

Building Technology. Structural Engineering. Fire Protection. Air Conditioning, Heating, and Refrigeration. Floor, Roof, and Wall Coverings. Codes and Safety Standards. Heat Transfer. Concreting Materials.

Applied Mathematics. Numerical Analysis. Computation. Statistical Engineering. Mathematical Physics.

Data Processing Systems. SEAC Engineering Group. Components and Techniques. Digital Circuitry. Digital Systems. Analog Systems. Application Engineering.

- Office of Basic Instrumentation.
- Office of Weights and Measures.

BOULDER, COLORADO

Cryogenic Engineering. Cryogenic Equipment. Cryogenic Processes. Properties of Materials. Gas Liquefaction.

Radio Propagation Physics. Upper Atmosphere Research. Ionospheric Research. Regular Propagation Services. Sun-Earth Relationships. VHF Research. Radio Warning Services. Airglow and Aurora. Radio Astronomy and Arctic Propagation.

Radio Propagation Engineering. Data Reduction Instrumentation. Modulation Research. Radio Noise. Tropospheric Measurements. Tropospheric Analysis. Propagation Obstacles Engineering. Radio-Meteorology. Lower Atmosphere Physics.

Radio Standards. High Frequency Electrical Standards. Radio Broadcast Service. High Frequency Impedance Standards. Electronic Calibration Center. Microwave Physics. Microwave Circuit Standards.

Radio Communication and Systems. Low Frequency and Very Low Frequency Research. High Frequency and Very High Frequency Research. Ultra High Frequency and Super High Frequency Research. Modulation Research. Antenna Research. Navigation Systems. Systems Analysis. Field Operations.

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