

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

KEKAHA, HAWAII

LAT. 22.0 N

LONG. 159.7 W

WINTER (DEC., JAN., FEB.) 1964-65

FREQ. (Mc)	TIME BLOCKS (LST)														
	0000-0400					0400-0800					0800-1200				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.013	153	6.0	3.0	10.0	16.0	154	5.0	3.0	10.5	17.0	150	5.0	3.1	11.5	18.0
.051	130	8.1	4.0	11.0	17.0	130	8.0	8.0	12.0	19.0	115	17.0	13.0	12.3	18.0
.160	108	13.0	6.0	10.0	16.5	105	16.0	13.0	11.0	18.5	82	29.9	14.0	12.0	21.0
.495	88	16.0	8.0	9.5	17.5	82	20.0	20.0	10.5	19.0	58	34.0	6.0	6.5	10.5
2.5	63	12.0	6.0	7.0	11.0	61	11.5	6.5	6.8	11.0	43	20.0	10.0	3.5	6.0
5	52	10.0	4.0	4.5	7.5	50	10.0	4.0	4.0	7.0	36	18.0	12.3	4.8	8.0
10	34	8.0	6.0	3.0	5.0	32	8.0	4.0	2.5	4.0	32	8.0	9.5	6.0	8.0
20	23	4.0	2.0	1.5	3.0	25	2.0	4.0	2.0	3.5	23	4.0	2.0	2.5	4.0

FREQ. (Mc)	TIME BLOCKS (LST)														
	1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.013	150	6.0	3.0	13.0	20.0	149	7.0	3.0	12.0	19.0	152	6.0	4.0	9.5	15.0
.051	112	17.7	8.0	14.5	20.5	114	16.5	12.0	12.5	17.5	124	12.0	8.0	12.0	18.0
.160	84	25.4	18.0	13.8	24.5	91	22.0	19.1	12.0	21.5	104	14.0	10.0	12.0	19.5
.495	58	32.0	8.0	6.5	10.0	72	24.3	18.0	9.3	16.5	86	16.0	8.0	11.5	19.5
2.5	36	17.0	6.0	3.0	4.5	49	20.0	14.0	5.5	10.5	61	12.0	7.0	8.0	13.0
5	26	19.5	6.0	4.0	6.8	45	11.0	13.0	6.0	10.0	50	8.0	4.0	5.5	9.0
10	28	14.0	8.0	6.5	9.5	34	8.0	4.0	4.5	7.0	34	8.0	4.0	3.5	5.8
20	23	4.0	2.0	2.5	4.5	23	2.0	2.0	1.5	3.5	23	4.0	2.0	2.0	3.5

F<sub>am</sub> = median value of effective antenna noise in db above ktb.

D<sub>u</sub> = ratio of upper decile to median in db.

D<sub>l</sub> = ratio of median to lower decile in db.

V<sub>dm</sub> = median deviation of average voltage in db below mean power.

L<sub>dm</sub> = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

NEW DELHI, INDIA      LAT. 28.8 N      LONG. 77.3 E      WINTER (DEC., JAN., FEB.)      1964-65

FREQ. (Mc)	TIME BLOCKS (LST)														
	0000-0400					0400-0800					0800-1200				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.013	157	4.0	2.9	6.5	9.0	156	4.0	3.0	6.5	9.5	153	3.0	3.0	5.5	8.0
.051	132	6.3	5.0	9.0	12.5	127	8.0	8.0	8.0	11.5	117	7.3	5.0	4.0	6.5
.160	108	10.1	7.0	8.0	12.5	102	13.6	12.0	8.0	12.0	92	11.0	8.0	5.8	10.0
.495	90	10.0	6.0	4.0	6.5	82	12.0	8.0	3.5	5.5	74	12.0	6.0	2.5	4.5
2.5	67	6.0	12.0	3.5	6.5	63	9.0	12.0	3.5	6.0	53	18.0	9.0	3.5	6.0
5	63	7.0	9.0	3.8	6.0	57	11.5	8.5	3.5	6.5	48	19.0	13.0	4.5	7.5
10	43	10.0	9.0	3.0	5.0	44	9.0	10.0	2.5	5.0	42	11.0	6.0	5.0	7.5
20	25	2.0	2.0	1.5	3.0	25	2.0	2.0	2.0	3.5	25	2.0	2.0	2.0	3.5

FREQ. (Mc)	TIME BLOCKS (LST)														
	1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.013	154	3.0	3.0	6.5	8.5	156	3.0	2.0	6.0	8.5	158	3.0	2.0	6.5	9.0
.051	118	10.5	6.5	6.0	8.8	121	16.0	7.0	8.5	11.5	131	8.0	8.0	8.0	11.0
.160	92	18.0	8.0	7.5	11.8	102	17.0	12.0	8.0	13.5	110	10.7	6.7	7.0	11.5
.495	74	14.0	6.0	4.0	5.5	84	18.0	10.0	6.0	8.5	88	14.0	4.0	5.0	7.5
2.5	53	17.0	11.0	4.0	6.5	61	11.0	13.6	3.5	6.0	65	8.0	10.0	3.5	6.0
5	46	20.5	12.5	5.0	7.5	57	11.0	11.0	3.8	6.0	63	7.0	10.1	3.5	5.5
10	41	12.0	9.0	4.0	6.0	48	13.0	7.9	4.5	6.5	46	9.0	10.0	3.0	5.0
20	27	10.0	3.0	3.0	4.5	25	8.0	2.0	2.5	4.0	23	2.0	0.0	1.5	3.0

F<sub>am</sub> = median value of effective antenna noise in db above ktb.  
 D<sub>u</sub> = ratio of upper decile to median in db.  
 D<sub>l</sub> = ratio of median to lower decile in db.  
 V<sub>dm</sub> = median deviation of average voltage in db below mean power.  
 L<sub>dm</sub> = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

OHIRA, JAPAN

LAT. 35.6 N

LONG. 140.5 E

WINTER (DEC., JAN., FEB.) 1964-65

FREQ. (Mc)	TIME BLOCKS (LST)														
	0000-0400					0400-0800					0800-1200				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.013	156	4.0	3.0	10.5	16.0	156	4.0	4.0	12.0	17.5	155	3.2	4.0	13.5	20.0
.051	134	4.0	6.0	11.5	18.0	130	8.0	12.0	13.0	19.0	116	13.9	8.0	14.5	21.0
.160	111	8.0	6.0	10.0	16.5	103	12.0	17.5	9.5	15.0	85	20.0	8.0	11.0	16.8
.495	89	9.0	7.0	8.5	13.0	78	14.0	15.0	9.0	14.0	68	16.0	6.0	4.0	8.5
2.5	58	10.0	7.5	6.3	9.3	54	14.0	8.0	7.8	11.5	44	6.9	4.0	6.5	9.5
5	58	14.0	6.0	4.0	6.5	64	8.0	10.0	8.5	12.5	40	16.0	8.0	5.5	9.0
10	35	16.3	7.0	3.0	6.0	34	21.0	4.0	3.0	5.5	40	21.1	10.0	3.0	6.5
20	21	3.0	1.0	1.5	3.0	23	1.0	2.0	1.5	3.0	23	3.0	1.0	1.5	3.0

FREQ. (Mc)	TIME BLOCKS (LST)														
	1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.013	156	2.0	4.0	14.0	19.5	156	3.0	3.0	10.0	15.5	156	4.0	3.0	10.5	16.0
.051	118	10.0	8.0	12.3	18.3	124	8.0	14.0	11.5	17.3	132	6.0	4.0	11.0	17.0
.160	85	16.3	8.0	12.8	18.0	99	12.0	14.6	11.0	17.0	109	8.0	6.0	9.5	15.0
.495	68	14.0	6.0	8.0	10.5	82	10.0	10.6	9.0	14.5	88	10.0	4.0	7.5	12.5
2.5	42	6.0	4.0	6.5	9.5	52	11.9	10.0	5.5	9.5	60	8.0	8.0	7.0	10.5
5	38	18.0	6.0	5.0	9.0	63	6.0	8.0	7.5	12.0	59	10.0	9.0	6.0	9.5
10	46	11.0	14.0	3.5	6.0	51	13.0	17.1	3.5	7.0	38	16.9	8.0	2.5	5.5
20	23	3.0	1.0	2.0	3.5	22	2.0	1.0	1.5	3.0	21	2.0	1.0	1.5	3.0

F<sub>am</sub> = median value of effective antenna noise in db above ktb.

D<sub>u</sub> = ratio of upper decile to median in db.

D<sub>l</sub> = ratio of median to lower decile in db.

V<sub>dm</sub> = median deviation of average voltage in db below mean power.

L<sub>dm</sub> = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

PRETORIA, S. AFR.    LAT. 25.8 S    LONG. 28.3 E    SUMMER (DEC., JAN., FEB.)    1964-65

FREQ. (Mc)	TIME BLOCKS (LST)														
	0000-0400					0400-0800					0800-1200				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.013	159	6.0	4.1			155	6.9	6.0			155	8.0	8.0		
.051	137	7.0	7.0			128	9.5	10.5			125	10.0	8.0		
.160	116	8.0	6.0			102	16.0	16.2			94	20.1	10.0		
.495	98	8.0	6.0			78	18.0	19.4			64	30.0	6.0		
2.5	71	7.0	8.0			63	10.0	19.0			44	8.2	6.0		
5	59	6.5	6.0			53	8.8	12.0			37	11.0	10.0		
10	40	8.0	6.0			38	7.1	6.0			34	8.0	6.0		
20	21	4.5	2.0			21	6.0	4.0			23	11.9	4.0		

FREQ. (Mc)	TIME BLOCKS (LST)														
	1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.013	165	6.0	9.9			167	6.0	6.1			164	7.0	5.6		
.051	141	8.0	9.0			144	7.3	10.0			140	8.0	6.0		
.160	120	12.0	19.5			124	10.0	14.0			120	8.0	6.0		
.495	96	16.0	29.0			100	14.3	14.3			102	8.0	4.0		
2.5	57	20.1	14.3			73	10.0	14.7			74	8.0	7.0		
5	47	16.0	18.0			61	10.0	12.0			61	12.0	8.0		
10	44	10.0	10.0			52	4.0	6.0			46	10.0	6.0		
20	29	14.0	6.0			29	8.0	6.0			21	10.0	2.0		

F<sub>am</sub> = median value of effective antenna noise in db above ktb.  
 D<sub>u</sub> = ratio of upper decile to median in db.  
 D<sub>l</sub> = ratio of median to lower decile in db.  
 V<sub>dm</sub> = median deviation of average voltage in db below mean power.  
 L<sub>dm</sub> = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

SAO JOSE, BRAZIL      LAT. 23.3 S      LONG. 45.8 W      SUMMER (DEC., JAN., FEB.)      1964-65

FREQ. (Mc)	TIME BLOCKS (LST)														
	0000-0400					0400-0800					0800-1200				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.051	137	7.0	7.0	8.5	14.5	130	10.0	9.4	9.5	15.5	127	8.6	8.0	9.0	14.0
.113	118	7.2	6.0	7.5	13.0	106	12.6	12.0	8.8	14.5	101	10.0	8.6	9.3	14.5
.246	106	6.0	8.0	7.0	13.0	86	19.5	10.0	8.0	12.0	82	12.0	6.0	8.3	12.0
.545	89	4.0	6.0	5.0	9.0	85	6.0	9.0	5.8	10.5	87	6.0	8.1	5.5	10.3
2.5	70	7.0	8.0	6.5	10.5	63	11.0	17.0	6.5	11.0	43	10.0	9.0	6.0	9.0
5	57	12.0	10.0	5.5	9.5	53	12.0	12.0	6.0	10.5	39	10.0	8.0	6.0	10.5
10	43	8.0	8.0	5.5	8.5	41	8.0	7.8	5.0	7.5	37	6.0	8.0	6.5	10.5
20	25	4.0	2.0	2.0	4.0	25	4.0	2.0	2.0	3.5	26	5.0	3.0	3.0	4.8

FREQ. (Mc)	TIME BLOCKS (LST)														
	1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.051	138	11.0	10.0	10.0	15.0	142	7.0	9.0	9.3	15.0	139	5.0	5.6	8.5	14.0
.113	116	17.0	14.0	10.5	16.5	120	12.0	11.0	10.0	16.0	121	6.0	7.0	7.0	11.5
.246	100	22.0	20.0	11.5	17.5	106	12.0	16.0	10.0	16.5	108	6.0	8.0	7.5	14.0
.545	91	16.0	10.0	7.3	13.0	89	12.0	8.0	6.5	11.5	91	5.3	6.0	5.0	9.5
2.5	51	25.1	15.0	8.5	13.0	70	10.0	16.9	6.5	11.0	73	6.5	7.5	5.5	9.5
5	41	18.5	10.0	6.5	11.0	59	14.0	10.0	5.0	8.5	63	10.0	10.0	4.5	8.0
10	41	8.0	8.0	6.0	9.0	49	5.1	8.0	5.0	8.0	45	8.0	8.0	5.0	8.0
20	29	10.0	4.0	4.0	6.0	32	6.0	5.1	4.0	6.5	25	6.0	2.0	3.0	5.0

F<sub>am</sub> = median value of effective antenna noise in db above ktb.

D<sub>u</sub> = ratio of upper decile to median in db.

D<sub>l</sub> = ratio of median to lower decile in db.

V<sub>dm</sub> = median deviation of average voltage in db below mean power.

L<sub>dm</sub> = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

WARRENSBURG, MO.      LAT. 38.7 N      LONG. 93.8 W      WINTER (\*\*\*, \*\*\*, FEB.) 1964-65

FREQ. (Mc)	TIME BLOCKS (LST)														
	0000-0400					0400-0800					0800-1200				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.013	149	10.2	7.0			149	9.9	7.0			145	11.1	5.0		
.051	131	4.0	4.0			131	4.0	12.0			121	4.0	4.1		
.160	104	16.0	7.0			96	20.0	9.2			88	12.2	11.0		
.495	88	14.0	8.0			78	17.1	16.1			61	24.6	2.1		
2.5	62	8.9	4.0	4.5	8.0	60	6.0	10.0	4.5	9.0	48	6.0	5.5	1.0	3.5
5															
10	34	2.9	2.9	1.5	3.5	37	11.9	5.0	1.5	4.0	44	7.3	7.3	2.0	4.3
20	24	2.0	0.0	1.0	2.5	26			1.0	2.8	26	4.0	2.0	1.5	3.5

FREQ. (Mc)	TIME BLOCKS (LST)														
	1200-1600					1600-2000					2000-2400				
	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
.013	147	10.0	5.0			145	12.0	5.0			147	10.0	5.0		
.051	123	6.0	0.0			125	10.9	6.0			130	22.0	7.2		
.160	90	18.0	11.3			97	21.0	12.7			107	13.1	13.0		
.495	63	21.0	4.0			82	17.6	17.1			90	13.5	9.5		
2.5	52	2.0	11.1	1.0	3.5	56	11.9	7.9	3.0	6.0	62	17.8	4.0	4.0	8.0
5															
10	44	4.9	4.0	2.3	5.0	46	7.9	8.0	2.3	5.0	36	5.9	4.0	1.0	3.5
20	28	4.0	4.0	1.5	3.5	25	5.0	1.2	1.0	3.0	24	4.1	0.0	1.0	2.5

F<sub>am</sub> = median value of effective antenna noise in db above ktb.  
 D<sub>u</sub> = ratio of upper decile to median in db.  
 D<sub>l</sub> = ratio of median to lower decile in db.  
 V<sub>dm</sub> = median deviation of average voltage in db below mean power.  
 L<sub>dm</sub> = median deviation of average logarithm in db below mean power.