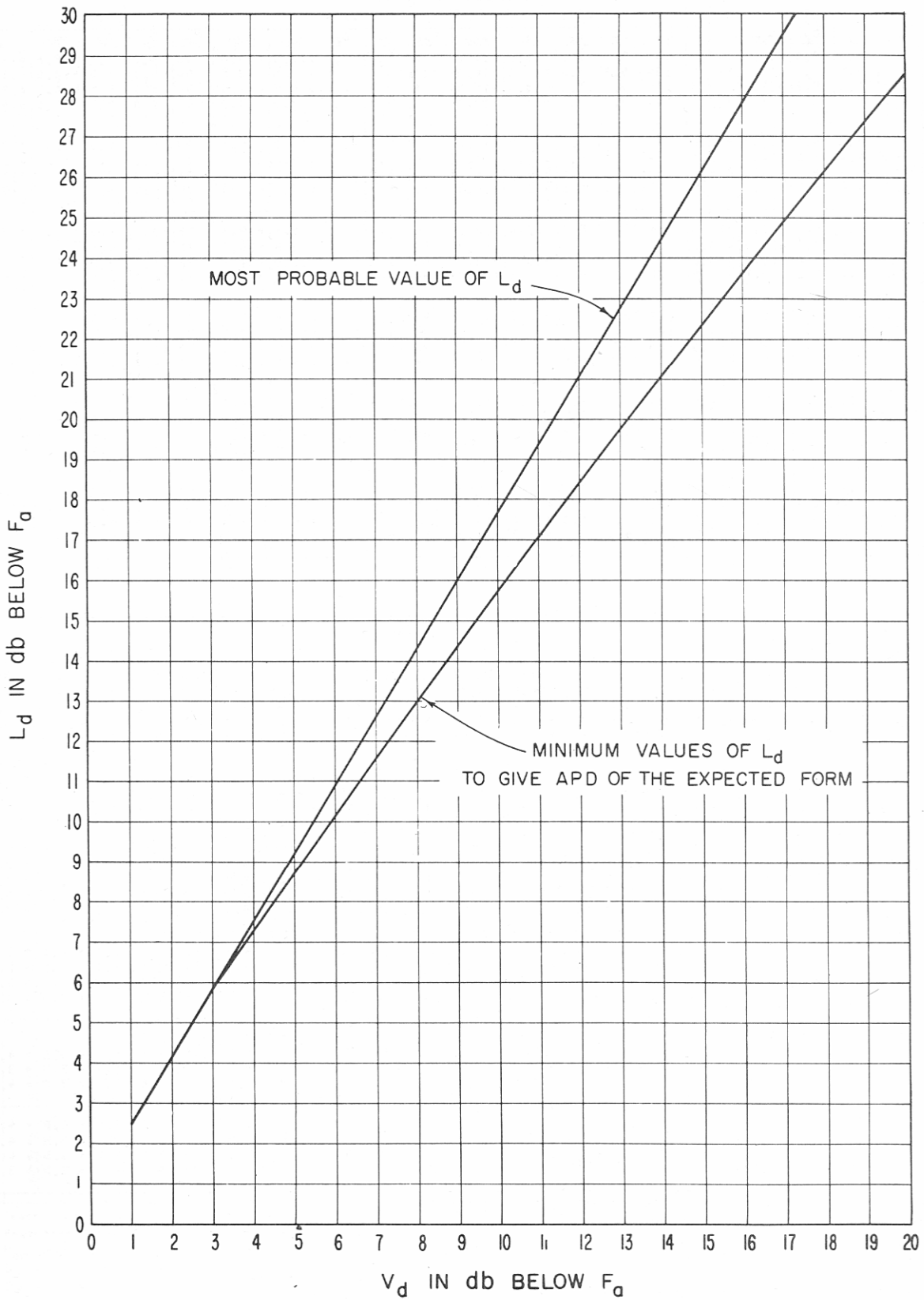


MOST PROBABLE AND MINIMUM VALUES OF  $L_d$  VERSUS  $V_d$   
FOR ATMOSPHERIC RADIO NOISE



# MONTH-HOUR VALUES OF RADIO NOISE

STATION BALBOA, CANAL ZONE

LAT. 9.0 N

LONG. 79.5 W

JANUARY 1965

MO.	DAY.	FREQUENCY (Mc)																			
		.013					.051					.160					.495				
		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>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	153	4.0	5.6	*17.0	*17.0	134	3.6	9.7	*13.0	*15.0	112	5.6	7.7	*11.0	*14.8	93	4.0	7.6	* 9.8	*13.0	
01	153	4.0	4.0	*12.0	*16.0	134	6.2	9.9	*14.0	*16.0	114	5.7	8.0	*10.5	*13.5	94	5.0	6.8	*10.0	*13.0	
02	153	4.0	2.2	*11.3	*12.8	134	5.9	7.3	*13.8	*15.5	114	5.9	6.4	*10.8	*13.5	93	6.0	6.1	*10.8	*13.0	
03	153	4.0	2.0	*17.0	*17.0	134	6.3	6.0	*13.3	*13.0	110	9.9	3.9	*12.0	*15.0	93	6.0	4.6	*10.0	*14.0	
04	155	2.3	4.0	*16.0	*16.0	134	5.9	6.4	*15.5	*16.5	113	5.2	10.9	*12.0	*15.3	93	6.0	6.0	*11.5	*13.0	
05	153	4.0	2.0	*14.5	*15.0	134	3.9	6.0	*11.5	*15.3	110	8.0	12.8	* 9.0	*11.5	91	6.1	11.7	*10.0	*12.0	
06	153	5.9	2.0	*14.0	*16.0	132	6.0	6.5	*14.0	*16.0	106	14.3	13.9	*13.5	*16.0	81	16.3	8.0	*11.3	*11.5	
07	151	4.6	3.7	*11.3	*15.5	126	12.5	8.5	*12.3	*14.5	93	26.9	14.9	* 9.5	*11.0	75	19.9	5.7	* 9.0	*15.0	
08	151	4.0	6.0	*10.0	*11.5	118	25.2	8.0	*12.0	*13.0	86	32.5	9.1	* 6.8	* 9.3	75	20.6	6.0	* 6.5	* 9.0	
09	151	4.0	8.0	*10.3	*13.0	*117			*13.3	*13.8	86	19.7	14.6	*12.8	*18.5	73	13.4	4.3			
10	151	4.3	2.6	*12.0	*15.0	*119			*10.0	*12.0	88	21.8	14.1	*10.5	*14.3	72	11.0	3.0	* 7.5	*13.0	
11	151	6.0	3.5	*10.5	*14.0	120	11.6	9.2	* 8.8	*11.0	84	24.9	8.0	*10.0	*10.0	71	16.0	3.5	* 5.0	* 5.0	
12	153	4.0	4.0	*10.0	*12.5	122	10.9	12.0	*10.3	*12.5	90	22.5	17.2	* 9.8	*11.5	73	11.4	4.0			
13	155	3.3	5.3	* 7.0	*10.0	126	6.0	10.0	*11.0	*12.5	90	9.4	13.1	*10.5	*13.5	71	7.0	3.5			
14	155	2.5	4.0	* 9.5	*12.0	128	4.7	13.4	*10.5	*11.5	92	16.7	12.7	* 7.8	*10.3	73	10.0	6.0	* 7.0	*14.0	
15	155	4.0	4.0	*10.5	*13.0	130	4.5	14.5	* 8.5	*10.5	96	13.4	17.4	*10.0	*14.5	77	9.6	11.9	* 4.5	* 5.5	
16	155	6.0	4.0	*12.5	*14.0	126	6.1	11.8	*10.0	*11.5	99	10.3	14.3	*10.3	*14.0	75	9.5	5.5	*11.5	*12.5	
17	153	4.1	4.0	11.0	14.0	124	9.5	15.0	*10.8	*14.8	100	11.2	16.2	*10.5	*13.0	79	11.6	7.7	* 6.0	* 7.0	
18	153	2.1	6.1	*11.5	*14.0	124	11.9	8.3	*13.0	*16.0	108	5.7	10.2	*10.0	*12.0	89	5.7	4.0	* 8.3	*10.3	
19	153	4.0	4.1	*12.3	*16.0	130	6.1	10.1	*11.0	*14.0	110	5.7	7.9	*10.8	*12.3	91	5.9	4.1	* 8.8	*11.3	
20	153	4.1	5.6	*13.0	*16.8	132	4.0	10.0	*11.8	*14.5	110	7.7	7.9	*10.5	*12.5	93	6.0	6.0	9.0	11.5	
21	153	5.9	4.2	*14.3	*15.0	132	4.0	9.5	*13.0	*16.0	110	6.0	6.0	*11.0	*15.0	91	8.0	3.5	* 9.0	*11.0	
22	153	4.1	5.7	*15.0	*18.0	132	6.0	8.0	*11.5	*15.0	112	5.6	7.8	* 9.8	*12.0	93	5.6	6.0	*11.0	*12.0	
23	153	4.0	4.0	*16.0	*17.8	132	4.1	9.9	*13.3	*14.5	112	4.0	6.0	*10.8	*15.5	93	4.2	6.0	*10.0	*13.8	

MO.	DAY.	FREQUENCY (Mc)																			
		2.5					5					10					20				
		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>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	62	6.0	11.3	* 9.8	*12.5	53	8.1	8.1	* 8.5	* 9.0	33	4.3	4.0	* 6.0	* 7.0	22	5.7	2.0	* 3.3	* 4.5	
01	64	6.1	12.1	*12.0	*16.0	53	6.4	8.3	* 7.3	* 9.3	35	4.0	8.5	* 6.8	* 8.3	22	4.0	2.0	* 4.0	* 4.3	
02	63	7.0	15.0	*11.8	*16.0	51	7.5	12.0	* 5.0	* 7.0	35	4.0	7.4	* 7.0	* 8.0	22	4.1	2.0	* 3.5	* 4.3	
03	64	5.9	17.7	*12.5	*16.0	45	10.3	3.7	* 7.5	* 8.5	31	8.0	5.3	* 7.5	* 8.3	22	9.2	2.1	* 5.3	* 5.8	
04	* 63			*16.5	*18.8	49	5.7	15.1	* 9.3	*10.8	33	4.9	6.0	* 5.5	* 6.0	22	6.0	2.0	* 4.5	* 5.0	
05	62	9.9	12.4			60	11.8	13.1	* 8.0	*10.0	31	4.0	3.1	* 6.5	* 7.8	22	5.7	1.9			
06	51	22.7	14.1	* 9.3	*10.5	* 59					33	8.2	7.1	* 7.5	* 9.5	22	5.1	2.0	* 4.8	* 5.5	
07	40	24.3	10.2	* 9.0	*14.0	59	5.5	19.6			39	8.8	4.2	* 8.5	*12.0	24	4.0	4.0			
08	38	25.3	9.9	* 9.3	*13.8	46	12.5	4.6			43	3.7	11.5	* 2.0	* 3.5	23	6.5	3.5	* 3.0	* 3.8	
09	* 34			* 5.5	* 7.0	* 44					* 31			* 2.0	* 3.8	* 22			* 2.5	* 3.0	
10	33	14.8	11.0			* 39					31	6.1	12.1	* 7.0	*10.0	24	2.3	2.0	* 2.8	* 3.3	
11	32	10.5	9.5	* 1.5	* 3.5	35	11.0	7.5			31	4.0	12.0	* 5.0	* 8.0	22	6.2	0.0	* 2.5	* 3.5	
12	32	8.3	10.0	* 2.0	* 4.5	37	10.0	13.7	* 3.3	* 3.8	29	4.9	5.8	* 3.3	* 4.8	22	4.9	0.1	* 2.8	* 3.0	
13	32	12.1	8.0	* 2.8	* 4.3	37	7.5	4.1	* 2.3	* 4.3	29	7.6	4.0	* 3.5	* 5.0	22	23.2	1.7	* 1.5	* 2.8	
14	32	13.0	10.0	* 2.0	* 6.0	39	8.0	4.6			33	4.0	5.1	* 3.0	* 5.0	23	5.0	1.0	* 2.5	* 3.0	
15	37	9.9	13.9	* 2.3	* 3.8	45	5.5	13.5			33	6.0	5.8			26	6.0	4.0	* 2.5	* 3.5	
16	40	9.2	12.3	* 7.0	* 7.0	49	10.0	7.8	* 6.5	* 9.0	37	4.3	4.3	* 4.5	* 8.0	23	9.0	1.7			
17	50	11.8	14.0	* 8.5	*11.5	53	8.0	14.9	* 7.0	*11.0	40	5.0	9.0	* 5.5	* 6.5	23	7.0	3.0	* 3.5	* 4.5	
18	56	12.0	15.1	* 7.3	*11.8	59	14.6	13.3	* 6.0	* 8.0	39	4.9	4.9	* 5.0	* 6.8	23	5.0	1.4	* 2.3	* 3.0	
19	61	7.1	11.4	* 7.0	*10.0	63	6.0	20.0	* 3.5	* 6.5	37	4.0	4.0	* 2.8	* 4.8	22	5.6	2.0	* 3.0	* 4.3	
20	58	10.3	9.9	* 7.0	* 9.8	61	7.3	19.8	* 4.8	* 7.8	34	5.2	3.2	* 4.0	* 6.0	22	4.0	2.0	* 4.0	* 4.5	
21	62	6.0	12.0	* 5.3	* 7.8	61	4.0	11.5			33	6.0	4.0	* 5.0	* 6.5	22	4.0	2.0	* 3.5	* 4.0	
22	62	7.7	23.8	* 5.0	* 9.0	59	3.4	12.8	* 3.8	* 6.5	32	5.6	3.6	* 3.5	* 5.0	22	5.0	2.0	* 3.5	* 4.5	
23	62	6.4	9.9	* 8.8	*11.3	55	4.3	18.3	* 7.5	*10.5	35	6.0	4.3	* 5.0	* 7.0	22	4.0	2.0	* 2.8	* 3.8	

 \* Fewer than 15 days data on power measurements and no computations made for D<sub>u</sub> and D<sub>l</sub>.

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

 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.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BALBOA, CANAL ZONE

LAT. 9.0 N

LONG. 79.5 W

FEBRUARY 1965

HR. DATE	FREQUENCY (Mc)																			
	.013					.051					.160					.495				
	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>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	153	2.7	6.0	*11.0	*14.8	128	10.0	23.6	*13.0	*14.0	114	8.3	8.3	*10.0	*11.0	95	4.7	8.0	10.0	12.0
01	153	4.0	6.0	*11.3	*13.8	132	8.1	8.0	*10.0	*14.0	115	7.0	9.0	*11.0	*13.8	95	4.5	8.5	9.5	11.0
02	153	6.0	4.0	*11.5	*14.0	132	10.0	13.8	*11.3	*14.3	115	5.2	10.9	*9.8	*12.0	95	6.0	7.5	*9.8	*10.5
03	153	6.3	4.0	*12.5	*14.0	134	6.4	16.8	*12.0	*13.0	114	8.0	8.3	12.0	13.0	94	7.9	9.9	*9.5	*10.0
04	153	6.0	2.5	*13.0	*15.5	132	10.0	19.3	*11.0	*14.0	114	8.0	12.0	*10.0	*13.5	93	8.0	13.8	*11.5	*13.3
05	153	6.0	4.0	*13.0	*16.5	130	10.0	9.5	*12.3	*14.3	112	8.3	16.3	*14.0	*20.0	89	10.9	10.9	*12.0	*15.0
06	153	4.5	4.0	*11.3	*15.8	128	9.1	10.0	*12.3	*13.3	108	9.4	18.0	*15.0	*18.0	83	15.5	10.0	*11.8	*15.3
07	151	5.8	4.0	*13.0	*16.0	*122			*12.0	*14.5	100	18.0	27.1	*12.0	*16.0	83	11.3	20.0		
08	151	3.8	5.6	*12.0	*12.5	*116			*14.5	*17.8	104	11.2	38.6	*12.0	*13.0	85	8.3	19.6	*6.5	*10.5
09	149	4.3	4.3	*10.5	*13.5	118	13.1	19.1	*12.0	*15.5	92	20.4	25.9	*11.5	*15.5	73	20.0	8.8	*8.0	*11.8
10	149	6.0	2.0	*8.8	*12.0	117	12.8	26.2	*9.5	*14.0	78	33.5	7.5	*6.5	*10.5	71	17.2	16.4		
11	151	3.1	4.0	*9.3	*11.0	118	10.8	12.5	*9.0	*12.0	94	15.7	16.5	*6.5	*10.5	75	12.0	13.1		
12	151	6.0	3.1	*6.0	*8.0	120	11.2	20.4	*8.5	*10.0	92	11.1	12.8	*8.3	*11.8	71	12.3	4.6	*5.0	*5.5
13	155	4.0	3.1	*7.5	*11.5	124	9.9	8.6	*9.0	*10.3	91	12.3	14.7	*10.0	*16.5	73	13.3	7.3		
14	155	4.0	4.0	*10.0	*11.0	124	11.9	11.5	*12.5	*15.0	96	8.0	15.5	*5.0	*9.0	71	16.2	12.2	*5.5	*5.5
15	157	4.0	4.0	*12.5	*15.3	128	7.9	18.0	*11.8	*13.5	99	12.3	9.0	*9.3	*13.3	73	16.0	9.0		
16	157	4.0	4.7	8.3	10.0	128	9.9	15.0	12.5	14.0	99	13.6	10.3	*8.8	*11.3	77	10.9	8.6	*9.5	*10.0
17	155	4.1	5.9	*9.8	*13.0	124	11.4	8.7	*14.5	*17.0	102	10.6	12.3	*9.0	*11.5	81	10.0	9.3	*7.3	*9.3
18	153	4.3	4.0	*13.0	*13.5	130	11.6	12.0	*10.0	*11.5	110	8.7	7.4	5.5	9.0	91	6.9	6.0	*6.0	*8.0
19	153	6.0	4.1	12.0	14.0	132	8.0	9.5	9.5	12.0	113	7.0	7.5	8.5	11.0	93	8.0	6.0	*6.8	*8.8
20	153	6.1	6.0	*10.0	*13.0	132	9.0	4.0	*9.5	*12.0	114	7.0	8.0	9.5	13.0	95	7.8	4.0	*6.0	*8.5
21	153	6.0	4.0	*10.5	*13.5	132	8.6	12.6	*10.8	*13.5	114	8.5	6.0	8.5	11.5	95	8.0	5.4	6.5	8.0
22	151	8.0	4.3	10.0	16.0	132	9.5	7.0	*11.8	*13.5	116	6.3	8.3	9.0	10.5	95	8.0	6.5	8.0	10.0
23	151	6.0	3.9	11.8	16.0	132	7.1	22.6	*12.5	*15.5	116	6.3	10.3	10.8	12.5	95	5.8	8.0	10.0	12.0

HR. DATE	FREQUENCY (Mc)																			
	2.5					5					10					20				
	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>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	63	8.3	10.0	*9.3	*11.0	59	6.3	24.6	*6.8	*8.5	36	4.0	8.9	*6.5	*8.0	21	3.3	0.0	*5.0	*5.0
01	65	8.1	18.6	*9.8	*12.3	57	6.0	16.6	*6.5	*8.5	36	6.6	8.0	*7.3	*8.8	*23			*6.0	*7.0
02	65	7.3	18.4	10.0	13.5	*56			*7.0	*10.0	36	9.1	11.1	7.0	8.3	23	2.2	2.2	*4.3	*4.8
03	67	4.0	20.4	*10.5	*15.0	53	6.6	12.8	*8.3	*10.5	34	16.6	8.0	*7.0	*8.5	23	1.9	2.1	*6.0	*6.3
04	65	8.0	21.3	*11.0	*14.5	53	9.5	14.9	*8.5	*10.0	34	9.7	6.0	6.0	7.0	23	2.0	2.7	*7.5	*8.3
05	62	9.1	10.3	*10.5	*16.5	59	9.6	16.8			32	8.6	5.3	*6.0	*7.0	*23			*5.8	*6.8
06	53	16.0	18.9	*8.0	*11.0	57	7.3	23.8	*8.8	*10.8	35	4.7	3.2	*7.5	*8.8	23	1.1	2.0	*5.0	*8.5
07	44	14.6	16.3	*8.0	*13.0	57	4.1	15.9	*7.0	*13.0	44	14.6	10.8	*7.0	*10.0	23	4.1	2.0	*2.5	*3.0
08	35	12.8	3.4	*4.0	*5.0	41	10.0	7.0			46	6.2	13.9			23	2.1	2.0	*0.5	*1.0
09	39	5.9	14.5	*3.0	*4.0	39	6.0	7.7	*6.0	*15.0	40	5.5	9.9	*2.0	*3.5	*23			*3.0	*4.0
10	31	13.2	7.8	*5.0	*6.0	37	3.9	10.3	*2.5	*4.0	32	9.1	10.0	*3.0	*6.0	*23			*4.0	*4.3
11	31	8.0	5.3	*3.5	*4.5	35	2.0	9.7	*6.5	*11.5	*28					*21				
12	*27			*2.0	*3.0	33	6.0	8.0	*2.8	*2.5	29	8.2	7.8	*5.8	*8.3	*23			*3.5	*4.0
13	29	4.1	5.6	*4.5	*6.0	36	3.1	9.3	*3.0	*4.0	30	9.0	10.0	*4.0	*10.0	23	3.5	2.0	*4.3	*5.0
14	29	12.0	7.5	*3.5	*4.3	35	4.6	6.0	*5.5	*6.3	32	20.0	8.6	*5.0	*6.5	25	5.1	4.1	*7.5	*10.0
15	31	5.0	8.0			*39			*5.8	*6.3	38	6.4	8.2	*4.5	*6.0	25	4.6	3.9	*4.3	*4.8
16	35	10.0	7.5	*6.0	*6.5	45	8.0	9.0	*5.0	*9.5	38	12.3	6.6			25	3.7	4.1	*4.5	*7.0
17	43	8.3	7.5	*8.5	*11.8	47	10.3	12.1	*6.0	*9.0	46	10.0	17.5	*5.5	*7.0	24	3.0	1.0	*6.8	*7.8
18	53	11.5	13.0	*6.5	*10.5	65	4.2	7.3	*5.0	*6.0	50	9.7	20.4	*4.0	*6.0	25	2.0	4.0	*4.0	*6.5
19	61	7.1	21.4	7.0	11.0	63	8.0	13.0	*5.0	*7.3	40	18.0	11.4	*5.0	*10.0	23	2.1	2.8	*4.0	*5.5
20	63	6.0	28.6	*6.0	*10.0	64	6.8	21.6	*7.0	*8.0	36	6.0	7.8	*3.5	*5.0	*23			*3.5	*4.8
21	63	6.0	11.0	*5.0	*10.0	63	5.5	25.5	*6.5	*8.8	36	5.1	8.2	*4.0	*5.0	*21			4.5	5.5
22	60	7.9	12.3	6.5	9.0	57	8.0	29.4	*7.0	*9.3	34	10.0	10.3	6.3	7.3	*21			*6.5	*7.0
23	65	4.1	26.1	*7.0	*10.0	54	8.7	21.4	*7.3	*10.0	35	5.0	4.3	*7.3	*9.0	*21			*5.0	*5.0

\* Fewer than 15 days data on power measurements and no computations made for D<sub>u</sub> and D<sub>l</sub>.

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

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.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BILL, WYOMING

LAT. 43.2 N

LONG. 105.2 W

DECEMBER 1964

H. R.	L. S. T.	FREQUENCY (Mc)																			
		.013					.051					.160					.495				
		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>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	156	4.0	4.0	10.3	16.3	130	5.6	4.1	4.3	8.0	102	9.7	7.7	7.8	13.5	84	8.0	5.9	6.5	11.3	
01	156	4.0	4.0	9.5	15.5	130	5.7	5.9	3.3	7.3	102	10.0	6.0	7.8	13.3	82	8.1	4.0	6.0	11.0	
02	156	4.1	4.0	10.3	16.3	130	4.3	2.4	3.3	6.8	102	9.7	7.9	8.0	12.8	82	7.7	6.0	6.0	11.0	
03	154	6.1	2.0	10.5	17.3	130	6.0	4.3	3.0	6.8	100	9.9	6.0	7.0	12.0	82	5.7	8.1	6.5	12.5	
04	156	4.1	4.0	10.8	17.5	130	5.7	4.1	3.5	7.5	98	10.0	8.0	6.5	10.5	80	8.0	9.6	5.5	11.0	
05	154	6.1	2.1	11.0	17.5	130	4.0	4.3	3.0	7.3	96	9.6	6.1	6.0	11.0	74	9.6	6.0	6.5	11.0	
06	154	4.1	3.7	10.8	17.3	128	4.0	2.0	2.5	6.5	90	5.7	6.1	7.5	12.5	66	9.5	7.7	4.3	7.0	
07	154	2.1	4.0	10.0	16.3	124	4.0	4.0	2.0	5.8	82	6.6	6.0	6.5	9.5	58	8.0	8.0	2.0	5.0	
08	150	6.0	2.0	11.3	17.5	122	4.1	4.1	2.5	7.0	76	10.4	6.0	3.0	5.3	55	11.0	5.0	1.5	3.5	
09	150	6.0	4.0	11.5	17.0	118	7.0	10.0	2.5	6.5	71	16.0	1.5	4.0	8.0	55	11.0	5.0	1.5	4.0	
10	150	6.7	4.0	11.0	16.5	118	4.7	9.4	2.0	6.0	72	11.8	4.0	2.5	3.3	54	12.0	4.0	2.5	5.0	
11	150	6.0	4.0	10.0	16.0	118	4.3	10.2	2.8	6.3	73	11.1	4.9	3.0	3.5	54	12.0	4.0	2.5	5.0	
12	152	4.1	4.1	10.3	15.5	118	4.2	8.2	3.0	7.0	72	10.1	3.7	3.0	4.8	56	10.0	6.0	1.5	4.5	
13	152	4.1	5.6	9.8	15.3	119	6.2	8.4	2.5	6.0	72	12.0	4.1	2.8	4.5	56	10.1	6.0	2.5	5.0	
14	152	5.6	6.0	11.0	16.5	118	7.7	8.1	3.0	7.0	73	13.3	4.5	2.0	3.5	55	13.0	5.0	2.0	4.0	
15	150	6.1	4.0	12.0	18.5	116	12.2	9.4	4.0	7.3	74	20.3	4.1	3.8	6.3	54	14.6	4.0	2.3	4.3	
16	150	7.5	4.1	12.0	18.0	120	9.9	9.4	2.5	6.8	84	20.3	8.1	5.3	8.3	66	16.7	7.9	4.0	7.0	
17	152	6.0	4.1	11.5	18.0	122	11.4	4.1	3.3	7.5	94	14.2	10.1	7.0	11.3	72	15.9	4.0	5.0	9.0	
18	154	4.1	6.1	12.0	19.0	124	9.6	2.0	3.0	6.5	92	17.7	5.9	6.5	11.3	80	11.6	9.7	5.3	9.0	
19	152	6.1	4.0	12.5	19.0	128	5.9	4.0	2.8	6.8	96	17.2	8.0	6.8	11.3	82	13.8	8.1	5.5	9.0	
20	154	6.0	5.7	13.0	19.3	128	6.1	3.7	3.0	6.8	98	14.0	6.1	8.3	12.8	84	11.9	6.0	5.5	10.0	
21	154	6.0	4.0	11.3	17.0	128	8.0	2.1	3.0	7.0	102	11.9	10.0	7.8	12.8	84	10.1	6.0	6.0	10.5	
22	154	7.7	2.1	10.3	16.5	128	7.7	2.0	3.8	7.3	102	11.9	7.9	8.0	13.0	86	8.0	8.1	5.0	10.0	
23	154	6.0	3.7	9.8	15.8	130	5.7	4.0	3.0	7.3	102	10.1	7.5	7.5	13.0	84	8.1	6.0	5.8	10.5	

H. R.	L. S. T.	FREQUENCY (Mc)																			
		2.5					5					10					20				
		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>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	55	5.7	4.0	3.5	6.0	53	4.1	4.0	3.5	7.5	36	7.9	6.0	2.0	3.8	25			1.0	2.5	
01	53	6.3	4.0	2.5	5.5	53	3.7	5.9	3.0	6.0	36	9.9	5.7	2.5	3.8	25	0.1	0.0	1.0	2.5	
02	55	4.0	6.1	3.0	6.0	53	3.7	4.1	3.5	6.5	35	7.6	4.9	2.5	5.0	25	0.1	0.1	1.0	2.5	
03	55	5.7	8.0	3.0	6.3	53	4.0	4.1	4.0	7.0	34	9.7	4.0	2.0	3.5	25	1.7	0.0	1.0	2.5	
04	55	5.9	8.0	4.0	7.0	53	4.0	4.1	3.8	7.0	34	8.1	4.1	3.0	6.0	25	2.0	0.0	1.0	2.5	
05	55	5.7	7.9	3.3	6.3	54	3.2	5.0	3.5	7.0	34	6.1	4.0	2.5	5.0	25	2.0	0.0	0.5	2.5	
06	51	6.3	8.0	2.8	5.0	49	5.9	4.0	4.0	6.5	36	6.0	4.1	3.0	5.0	27			1.0	2.5	
07	49	3.9	7.7	4.0	6.0	49	3.9	5.7	3.5	6.3	38	5.7	3.7	2.5	5.5	27	1.9	2.0	1.8	3.3	
08	37	6.4	6.0	4.5	7.0	41	5.9	4.0	3.5	6.0	38	5.9	4.1	2.5	4.5	27	2.0	2.0	1.5	3.0	
09	29	9.4	6.0	2.0	4.0	33	8.0	4.0	1.5	3.0	36	7.0	2.5	2.5	4.5	27	4.0	0.5	1.5	3.0	
10	27	4.7	6.7	1.5	2.8	30	7.0	3.0	1.5	3.0	34	4.7	2.0	2.5	5.0	27	4.0	0.0	1.5	3.0	
11	25	4.2	5.9	2.0	3.5	31	5.9	6.1	1.8	3.3	34	3.7	2.0	2.5	4.0	28	1.2	1.0	2.0	4.0	
12	25	4.3	4.0	2.0	4.0	29	6.0	7.6	2.0	3.5	34	2.0	3.6	2.8	5.3	27	3.7	1.7	1.5	3.0	
13	25	4.1	2.1	1.5	3.0	31	3.6	7.6	1.5	2.5	34	4.0	2.0	3.5	5.5	27	2.1	1.7	3.0	5.0	
14	27	10.0	4.1	2.0	3.5	35	3.7	6.1	1.3	3.5	37	4.6	3.1	2.8	5.5	27	2.0	2.0	2.0	3.0	
15	33	8.0	7.9	1.8	3.5	47	6.0	10.0	4.3	7.8	40	4.3	4.0	2.8	6.3	27	0.0	2.0	1.5	2.5	
16	39	10.6	4.0	2.5	3.5	53	8.1	6.1	2.5	5.5	40	6.3	4.0	3.0	6.0	25	2.0	0.0	1.0	2.5	
17	47	13.5	4.1	2.5	4.5	53	5.7	5.9	3.3	6.3	35	7.4	3.0	4.0	6.3	25	2.0	0.0	1.0	2.5	
18	51	11.6	4.1	3.0	5.5	53	5.9	3.9	4.0	7.0	32	5.9	2.0	2.0	4.0	25	2.0	0.0	0.5	2.0	
19	51	12.1	4.0	3.0	6.0	53	5.7	4.0	3.0	7.0	30	8.1	0.0	2.0	3.8	25	2.0	0.0	0.8	2.5	
20	53	9.9	4.0	3.5	7.0	55	9.5	4.1	3.5	6.5	32	9.9	2.0	1.5	3.3	25	0.1	0.0	1.0	2.5	
21	55	6.1	6.0	3.5	6.5	57	5.7	7.7	3.5	6.0	32	9.7	2.0	1.8	3.8	25	0.1	0.0	1.0	2.5	
22	55	5.7	4.0	3.5	7.0	55	4.0	6.1	3.5	7.0	32	9.7	2.0	1.0	3.0	25			1.0	2.5	
23	55	5.7	4.1	4.0	7.0	53	6.0	2.0	3.5	6.5	32	8.1	2.0	1.0	3.0	25			1.0	3.0	

\* Fewer than 15 days data on power measurements and no computations made for D<sub>u</sub> and D<sub>l</sub>.

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

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.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BILL, WYOMING

LAT. 43.2 N

LONG. 105.2 W

JANUARY 1965

H R.	FREQUENCY (Mc)																			
	.013					.051					.160					.495				
	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>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	152	5.3	2.0	10.0	15.0	130	7.3	4.0	3.0	7.5	96	9.0	2.3	7.0	11.8	83	10.3	7.6	6.0	11.5
01	154	3.3	4.0	8.5	14.0	131	5.6	5.0	3.0	7.5	97	15.1	5.3	6.5	12.0	84	11.0	9.5	6.5	12.8
02	154	5.3	4.0	9.0	14.5	132	4.6	4.0	2.5	7.0	98	14.3	5.0	7.0	12.0	82	9.3	9.3	6.5	11.0
03	154	4.0	2.0	8.5	14.0	132	4.6	4.0	3.5	7.5	97	14.0	7.3	6.8	13.0	83	7.0	13.6	6.0	10.0
04	154	4.0	2.0	10.0	15.5	132	4.0	4.0	3.0	7.5	99	9.5	11.5	6.5	12.0	80	8.0	14.0	6.0	11.5
05	154	3.3	4.0	10.0	16.0	132	4.0	3.3	2.5	7.5	96	11.6	11.0	6.5	12.0	77	8.3	13.0	6.8	11.8
06	153	3.0	3.0	10.5	16.0	132	3.3	3.3	3.0	7.5	89	11.3	6.0	7.0	13.0	63	14.8	6.3	5.0	9.0
07	154	0.0	4.0	10.0	16.0	124	7.8	5.3	2.3	6.0	81	4.0	8.6	7.0	10.0	54	2.0	4.0	2.3	4.3
08	150	2.0	3.3	10.0	15.5	124	3.3	2.0	3.0	7.5	71	11.0	4.0	3.5	4.5	52	4.0	2.0	1.8	3.0
09	150	3.3	4.0	9.5	14.5	120	4.2	9.6	3.0	7.5	71	10.8	6.0	2.8	4.0	53	5.3	3.0	* 3.0	* 3.0
10	150	4.8	4.6	8.8	14.0	* 119			* 2.5	* 6.0	70	9.7	4.9	* 2.8	* 4.0	52	4.2	2.0	* 2.0	* 4.0
11	150	4.8	4.6	8.5	14.0	119	7.1	13.9	3.0	7.0	69	11.8	1.7	3.8	4.3	54	5.1	4.0	1.5	3.5
12	149	5.0	5.0	9.5	15.3	120	7.7	17.7	2.5	7.0	71	6.2	3.7	2.0	3.8	54	2.0	4.0	2.0	4.0
13	150	4.0	5.5	10.0	15.0	120	8.0	18.0	3.0	7.5	69	15.4	4.0	1.5	3.0	54	2.0	4.0	1.3	3.3
14	150	4.0	6.0	11.0	16.5	120	7.1	17.1	2.5	7.5	68	16.3	3.0	2.0	3.5	54	4.1	4.0	1.0	2.5
15	150	4.0	8.0	11.0	16.5	118	10.0	15.1	2.8	7.3	73	14.0	6.0	2.5	4.0	54	9.5	4.0	2.0	3.5
16	148	4.0	6.0	11.5	17.0	120	8.0	15.1	2.5	6.5	81	15.1	10.2	5.5	8.5	58	15.6	5.1	2.5	4.0
17	148	4.0	5.1	11.5	16.3	124	5.1	3.1	3.0	7.5	89	15.1	10.0	8.5	13.5	70	15.1	8.0	4.5	8.5
18	152	4.0	7.1	11.0	17.3	128	2.0	7.1	3.0	7.5	93	12.0	14.3	7.0	12.5	76	12.6	9.3	5.0	9.8
19	150	5.1	4.2	12.0	18.5	130	4.0	6.0	2.5	7.8	91	14.2	7.1	7.0	12.5	79	10.8	9.6	4.5	10.0
20	152	4.0	6.0	12.0	18.0	130	5.1	4.0	2.5	7.5	95	9.1	9.1	6.8	12.0	82	6.0	9.1	5.0	10.0
21	150	6.2	2.0	11.5	17.3	130	4.0	4.0	2.5	7.5	97	11.1	6.0	6.3	11.3	80	11.3	5.3	6.0	11.5
22	152	5.1	4.0	11.0	17.0	130	4.0	4.0	3.0	8.0	95	13.2	4.0	7.3	13.0	80	12.2	4.2	5.5	11.5
23	152	5.1	2.0	10.3	15.5	130	5.1	4.0	3.0	8.3	95	13.2	3.1	7.3	13.3	82	11.2	6.0	6.0	12.0

H R.	FREQUENCY (Mc)																			
	2.5					5					10					20				
	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>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	55	5.3	5.3	* 5.0	* 8.5	52	6.0	4.0	5.0	9.0	31	16.4	2.0	2.0	4.0	24	2.0	0.0	0.5	2.0
01	55	7.0	5.5	4.0	7.5	50	6.0	2.0	* 4.3	* 7.5	33	9.0	4.0	1.5	3.5	25	1.0	1.0	1.5	2.5
02	55	6.4	6.0	3.5	7.5	52	5.3	4.0	4.5	8.5	33	7.0	2.0	2.0	4.0	26			* 1.3	* 2.8
03	54	7.6	5.0	4.5	8.0	52	4.6	4.0	* 4.5	* 7.8	33	12.4	3.3	* 1.3	* 2.8	26			1.5	3.0
04	53	7.5	5.5	* 4.0	* 7.0	52	5.3	5.3	4.0	7.0	34	9.6	3.0	3.5	7.0	26			1.0	2.5
05	53	6.0	6.0	3.5	7.5	52	3.5	5.5	* 3.5	* 7.8	31	5.3	3.3	* 3.5	* 5.3	26	1.3	2.0	* 1.0	* 2.5
06	49	7.3	2.0	* 3.8	* 6.0	47	5.0	6.3	4.5	8.0	35	7.5	2.0	3.0	5.5	26			1.0	2.5
07	47	7.3	2.0	* 3.5	* 5.8	46	6.0	2.0	4.0	7.0	41	3.3	4.0	* 3.3	* 6.0	26	2.0	0.0	1.0	2.5
08	35	9.3	4.0	* 4.8	* 7.8	41	10.8	3.0	3.0	5.0	39	9.3	3.3	* 3.0	* 5.8	26	2.0	0.1	1.0	2.5
09	29	9.0	6.0	3.3	5.0	32	6.2	2.6	2.0	3.5	37	10.3	4.0	* 2.3	* 4.3	26	2.2	0.0	1.5	3.0
10	25	6.6	6.0	* 3.0	* 4.5	* 29			* 2.0	* 3.8	36	5.4	3.0	2.5	4.5	26	3.9	0.2	1.5	3.0
11	23	6.6	4.0	* 2.5	* 3.5	28	2.0	5.5	1.5	3.0	35	3.9	2.0	* 2.5	* 4.5	28	2.3	2.0	* 1.5	* 2.5
12	23	9.5	4.0	* 2.0	* 4.0	28	2.0	5.9	* 2.0	* 3.5	35	5.6	2.1	* 2.5	* 5.5	28	3.5	2.0	* 2.0	* 3.5
13	23	7.0	4.0	* 2.5	* 4.0	27	6.7	3.1	* 3.0	* 5.0	35	6.4	2.0	* 5.0	* 8.0	26	5.5	1.5	* 2.3	* 3.5
14	25	10.3	5.1	3.0	6.0	30	11.1	4.0	3.0	5.0	37	6.6	2.0	* 5.0	* 8.0	26	2.1	2.0	* 2.0	* 3.5
15	29	15.8	6.0	5.0	9.5	36	9.3	5.3	5.0	7.5	39	5.1	0.0	* 6.0	* 9.8	26	1.5	2.0	1.0	2.0
16	35	15.1	8.0	6.0	11.5	45	5.0	6.3	* 3.3	* 5.8	41	5.1	3.1	* 5.3	* 9.8	24	2.0	0.0	* 0.8	* 2.0
17	45	11.2	4.0	4.5	9.5	50	3.1	5.1	4.0	6.5	39	5.1	7.1	* 2.0	* 3.5	24	2.0	0.0	1.0	2.0
18	49	11.1	4.0	4.5	9.5	50	6.0	3.1	4.5	7.0	33	8.0	4.0	2.0	3.5	24	2.0	0.0	0.5	2.0
19	51	10.2	4.0	* 3.5	* 7.3	50	6.0	4.0	5.0	8.5	31	5.1	2.0	2.5	4.5	24	2.0	0.0	1.0	2.5
20	55	8.2	6.0	5.5	11.0	52	5.1	4.0	* 3.0	* 6.0	31	3.1	2.0	1.5	3.0	24	2.0	0.0	1.0	2.5
21	55	7.1	6.0	* 4.8	* 9.3	54	3.1	3.1	* 4.5	* 8.3	31	4.0	2.0	1.0	2.5	24	2.0	0.0	1.0	2.0
22	55	7.1	4.0	5.5	10.0	54	5.1	2.0	* 4.5	* 9.3	31	7.2	4.0	* 1.3	* 2.8	24	2.0	0.0	0.5	2.0
23	55	5.8	4.0	5.0	10.0	51	6.3	2.3	5.0	9.5	31	10.3	2.0	* 2.0	* 3.5	24	2.0	0.0	0.5	2.0

\* Fewer than 15 days data on power measurements and no computations made for D<sub>u</sub> and D<sub>l</sub>.

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

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.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BILL, WYOMING

LAT. 43.2 N

LONG. 105.2 W

FEBRUARY 1965

Hr.	FREQUENCY (Mc)																			
	.013					.051					.160					.495				
	F <sub>om</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>om</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>om</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>om</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	152	4.1	2.0	8.8	13.8	127	6.1	2.1	3.5	7.5	97	16.0	6.0	7.3	14.5	80	13.8	6.0	6.5	11.5
01	152	5.7	1.6	8.3	13.3	128	5.1	3.1	2.5	6.8	98	12.7	8.7	8.5	15.3	79	14.8	6.6	6.5	12.0
02	153	5.1	3.0	7.8	13.0	127	7.7	2.1	3.0	6.5	98	11.9	8.7	8.5	13.5	78	11.9	4.1	7.8	12.8
03	152	4.1	1.6	8.5	14.3	129	4.1	4.0	2.8	7.0	96	14.2	8.6	8.5	15.3	76	10.3	4.0	6.3	11.3
04	152	4.1	2.1	9.5	15.0	129	5.6	3.6	3.3	6.8	95	13.3	9.6	9.0	13.5	76	9.9	10.0	6.5	10.5
05	152	6.0	2.0	9.5	15.0	129	7.2	4.0	3.0	7.3	91	18.0	12.0	8.0	11.5	70	13.7	7.6	6.5	9.5
06	152	4.0	3.6	9.0	14.5	129	5.6	6.1	2.0	6.5	85	12.1	8.1	8.5	11.0	61	11.1	7.0	3.8	7.5
07	152	3.6	4.0	9.8	14.5	123	6.1	2.0	2.3	6.0	73	14.3	6.1	5.5	9.0	54	4.1	4.0	1.8	3.5
08	148	5.7	4.0	9.0	13.0	121	6.0	4.1	2.5	6.5	69	19.0	6.1	3.0	5.5	54	6.3	4.0	2.0	4.0
09	146	8.2	2.0	9.0	12.5	113	12.0	8.0	2.0	5.0	69	20.2	8.0	2.5	7.0	54	4.6	4.0	2.0	4.0
10	147	6.8	3.0	8.3	12.3	115	12.0	2.7	2.0	5.0	69	18.0	8.0	4.0	5.5	52	6.7	2.0	2.0	3.8
11	148	6.1	2.2	8.8	13.3	119	7.7	4.0	3.0	6.3	71	14.4	8.0	3.5	5.0	54	8.3	4.0	2.5	3.5
12	148	7.9	2.0	9.0	13.5	119	8.0	4.0	3.5	7.0	69	21.6	7.7	6.3	9.5	54	9.3	4.0	2.0	4.3
13	150	3.7	4.0	10.0	14.5	119	8.0	2.4	3.3	7.3	70	20.6	7.1	5.0	8.5	54	11.4	4.0	2.5	4.0
14	147	8.6	2.6	9.5	14.5	119	8.0	8.8	3.0	6.5	69	18.0	8.0	3.8	6.8	54	9.8	4.0	2.5	5.0
15	147	7.1	4.6	10.8	15.3	117	9.6	6.0	3.0	6.5	69	25.6	6.1	4.5	9.0	54	12.1	4.0	3.5	6.5
16	146	8.1	4.1	10.3	15.3	118	9.1	9.1	5.0	7.5	82	23.0	16.7	6.0	11.0	58	23.2	6.0	3.5	6.5
17	146	8.0	4.0	10.0	15.0	123	7.6	3.6	3.0	6.5	89	19.7	11.6	8.0	13.5	70	20.1	10.0	4.5	7.0
18	148	7.7	2.0	10.5	15.0	125	5.7	5.6	3.5	7.3	90	17.2	7.1	8.0	14.5	74	17.8	7.6	4.5	7.8
19	148	9.2	2.0	11.0	15.5	127	4.1	4.0	3.3	6.5	93	17.7	6.1	8.0	16.0	78	15.2	6.1	5.5	9.0
20	150	5.7	2.1	11.5	16.8	127	6.0	2.1	3.3	7.0	97	13.7	8.1	8.5	15.0	81	12.6	7.0	5.8	10.0
21	151	6.4	3.0	10.8	16.5	127	6.1	2.0	2.5	6.3	98	15.1	11.0	8.0	14.0	81	14.7	7.0	5.0	9.8
22	150	7.4	2.1	10.0	15.5	127	7.3	3.6	3.3	7.3	97	15.7	8.0	7.5	13.8	81	16.7	5.1	5.0	9.5
23	151	7.2	3.0	9.5	14.5	127	9.2	2.1	3.3	7.5	97	17.7	7.6	7.0	13.0	80	19.2	4.1	5.5	10.5

Hr.	FREQUENCY (Mc)																			
	2.5					5					10					20				
	F <sub>om</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>om</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>om</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>	F <sub>om</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	57	10.2	5.9	4.0	7.5	52	6.2	4.0	4.0	7.5	32	6.0	2.0	3.0	4.5	26			1.0	2.5
01	57	9.9	6.1	4.3	7.5	52	6.0	2.2	4.3	7.3	32	6.4	2.0	2.0	3.5	26			1.0	2.5
02	59	8.1	6.2	4.5	8.3	54	4.0	5.9	4.5	8.0	32	6.0	2.0	2.0	3.5	26			0.8	2.3
03	57	8.4	6.0	4.3	7.5	54	4.0	5.9	3.0	6.5	32	9.7	2.0	2.0	3.5	26	1.9	0.0	1.0	2.0
04	56	9.1	6.9	3.5	7.0	52	4.4	4.0	4.0	7.0	32	4.0	2.0	2.8	4.5	26	2.0	0.0	0.5	1.5
05	55	11.7	6.0	4.5	7.5	52	4.3	2.0	3.5	6.5	34	6.5	4.5	1.5	4.0	26	2.0	0.0	0.5	2.0
06	51	8.4	2.0	5.5	8.0	49	3.2	3.0	4.3	6.8	38	5.9	3.9	2.5	4.5	26	1.9	0.0	0.5	2.0
07	47	6.1	4.0	4.0	6.5	46	6.0	2.0	4.5	7.0	40	6.0	4.0	2.0	3.8	26	0.2	0.0	1.0	2.0
08	33	9.7	4.2	2.0	3.5	38	6.0	3.9	1.5	4.0	38	8.1	3.9	3.0	5.5	26	2.0	0.0	1.0	2.3
09	27	8.5	2.0	2.0	3.5	32	4.7	2.0	1.5	3.0	36	7.1	4.0	2.8	5.3	26	2.0	0.0	1.5	2.5
10	25	4.0	4.0	1.0	2.5	28	6.0	2.0	1.5	3.0	36	2.0	2.7	2.5	4.5	26	2.0	0.0	1.5	2.5
11	23	6.3	2.0	1.8	3.3	28	2.2	2.0	1.5	3.0	35	3.5	3.5	3.0	4.8	27	3.0	1.0	1.5	3.0
12	23	6.6	2.0	1.5	2.8	28	0.3	2.0	1.5	3.0	35	4.9	3.4	3.3	5.8	26	4.0	0.0	2.0	3.3
13	23	5.7	2.0	1.5	3.0	28	4.1	2.1	1.8	3.0	38	4.0	4.1	3.0	6.0	26	3.6	0.1	1.0	2.5
14	25	7.3	2.1	1.0	2.5	30	4.3	2.1	1.0	2.5	38	6.0	5.7	2.5	5.5	26	4.0	0.0	2.0	3.0
15	27	10.3	2.1	2.0	3.0	34	6.3	3.7	2.0	3.0	42	4.1	4.6	3.0	5.0	26	3.7	2.0	1.8	3.3
16	33	14.6	4.0	1.5	2.8	42	5.9	4.0	1.5	3.8	42	6.0	4.3	3.0	6.5	24	2.0	0.0	0.5	2.0
17	43	15.9	2.3	2.0	3.8	52	4.1	5.7	3.0	5.5	44	7.7	7.7	3.0	6.3	24	2.0	0.0	0.5	2.0
18	53	10.6	6.0	3.3	5.8	52	5.9	3.7	3.0	5.0	36	11.7	4.1	2.5	4.0	24	2.0	0.0	0.5	1.5
19	55	10.0	6.0	4.0	6.5	52	6.1	4.1	3.0	5.0	34	4.0	4.3	3.0	5.0	24	2.0	0.0	0.5	1.5
20	55	9.9	4.0	3.5	6.0	52	6.2	4.0	2.8	6.0	34	2.2	4.0	2.5	4.0	24	2.0	0.0	0.5	1.5
21	57	8.4	6.2	3.0	5.8	53	5.2	5.0	2.8	6.3	32	4.0	2.0	1.5	3.0	26			0.5	1.5
22	56	12.9	5.0	3.5	7.0	54	6.4	5.9	4.0	7.0	32	5.9	2.2	2.0	3.5	26			1.5	2.5
23	56	13.0	4.9	4.0	7.5	53	5.2	4.9	4.0	7.0	32	4.0	2.3	3.0	4.8	26			1.5	2.5

\* Fewer than 15 days data on power measurements and no computations made for D<sub>u</sub> and D<sub>l</sub>.

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

F<sub>om</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.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BOULDER, COLORADO

LAT. 40.1 N

LONG. 105.1 W

DECEMBER 1964

M	H	FREQUENCY (Mc)																			
		.013					.051					.160					.495				
		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>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	155	6.0	2.0	* 7.8	*16.5	135	5.9	2.3	*10.3	*16.0	*102			*11.3	*16.5	83	10.0	4.0	*10.3	*16.5	
01	155	6.0	2.0	*10.5	*16.0	136	6.6	4.6	*10.3	*16.3	103	10.0	10.0	*10.0	*15.8	83	10.0	4.1	* 9.3	*15.8	
02	155	5.1	2.0	*11.3	*15.5	135	7.6	4.0	*10.8	*14.8	97	16.1	4.0	*10.3	*14.8	85	8.0	8.1	* 7.5	*14.5	
03	155	7.1	2.0	*10.5	*16.0	135	5.7	5.7	*10.3	*15.0	101	12.0	8.0	*11.0	*16.3	83	7.5	6.0	* 8.0	*15.5	
04	155	6.0	2.0	*11.3	*16.3	135	5.6	7.6	*11.5	*17.8	* 97			*10.3	*14.0	81	9.0	8.0	* 8.5	*16.0	
05	155	6.0	5.1	*11.8	*16.8	133	8.0	6.0	*12.8	*18.3	95	12.3	8.3	* 9.0	*13.3	77	8.2	6.1	* 7.8	*14.0	
06	155	6.0	4.0	*13.3	*16.8	133	5.7	5.7	*15.3	*20.5	88	3.1	7.1	*10.0	*15.0	67	9.4	5.6	* 5.8	*10.3	
07	153	4.0	2.0	*12.8	*17.0	127	6.0	2.3	*13.0	*20.0	81	6.6	4.3	* 8.8	*14.0	65	4.1	4.1	* 3.3	* 7.0	
08	151	6.0	4.0	* 9.8	*14.5	127	6.0	2.3	*15.3	*19.3	* 80			* 9.0	*14.0	65	4.1	5.6	* 3.0	* 5.3	
09	151	6.0	6.0	*10.0	*14.3	126	5.5	9.5	*11.8	*17.8	81	6.0	4.7	*14.0	*19.3	65	7.0	4.0	* 2.8	* 5.0	
10	153	6.0	6.0	*11.0	*15.5	123	7.3	13.3	*11.5	*18.0	* 81			*12.3	*17.8	66	7.0	7.0	* 3.0	* 5.8	
11	151	7.0	7.0	*10.5	*14.8	122	8.9	18.1	*10.8	*18.3	83	6.0	5.3	*11.0	*16.5	65	6.0	6.0	* 4.0	* 7.3	
12	153	5.7	6.1	*11.3	*15.8	126	9.0	10.5	*10.3	*18.0	* 79			*12.3	*16.8	65	4.1	4.1			
13	153	6.2	7.6	*10.0	*14.8	123	8.8	16.6	*10.3	*18.0	82	8.3	4.3	*12.0	*18.3	65	6.1	4.0	* 4.0	* 6.5	
14	153	4.3	6.6	* 9.3	*13.5	123	6.6	13.3	*10.5	*18.0	* 81			* 9.5	*16.8	66	7.6	5.0	* 4.5	* 6.5	
15	151	4.7	8.0	* 8.0	*11.5	123	8.2	8.9	*10.3	*18.3	83	14.4	2.0	* 9.8	*16.8	67	8.9	4.0	* 3.0	* 7.0	
16	149	7.6	4.1	* 9.5	*12.0	127	7.9	14.3	*11.0	*15.3	85	24.7	4.2	* 8.3	*14.5	69	19.1	4.3	* 3.5	* 7.5	
17	152	7.1	7.1	*10.5	*13.5	131	5.7	6.1	*10.3	*14.8	93	16.0	6.3	* 8.0	*14.0	78	14.8	8.7	* 3.5	* 7.0	
18	155	5.5	9.5	*11.5	*14.5	131	4.1	5.7	* 8.5	*14.3	94	13.6	7.1	* 8.0	*14.0	80	13.3	7.1	* 6.0	*11.0	
19	153	6.0	5.0	*11.5	*15.5	133	4.1	6.0	* 8.8	*15.8	98	14.8	8.9	* 7.8	*12.5	83	15.0	8.0	* 5.3	*10.0	
20	155	4.1	6.1	*12.5	*16.3	133	6.0	4.2	*10.8	*16.5	* 97			* 8.8	*16.0	84	14.6	7.0	* 4.0	* 7.8	
21	155	6.0	5.5	*11.0	*17.0	133	6.1	5.7	*10.3	*18.0	101	12.0	8.3	*10.8	*18.0	85	11.7	7.7	* 4.8	* 8.5	
22	155	6.0	4.0	*10.5	*15.5	135	4.0	7.9	* 8.5	*15.0	99	8.8	4.0	*11.8	*18.0	85	11.6	8.1	* 4.5	* 8.5	
23	155	6.0	2.0	*11.3	*15.0	135	6.0	8.0	* 8.8	*14.5	101	10.2	6.1	*13.3	*19.5	86	7.2	7.0	* 5.3	* 7.8	

M	H	FREQUENCY (Mc)																			
		2.5					5					10					20				
		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>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	56	4.9	6.0	* 3.5	* 6.0	54	6.0	8.7	* 4.0	* 5.5	33	9.1	16.0	* 3.0	* 3.8	23	1.7	3.3	* 1.3	* 2.3	
01	54	8.0	6.0	* 3.5	* 5.5	54	4.0	9.0			35	8.0	7.4	* 3.3	* 4.8	24	0.7	4.0	* 1.0	* 2.5	
02	55	7.0	7.5	3.5	5.5	54	6.7	4.7	* 5.0	* 7.5	35	8.0	18.0	* 2.3	* 3.8	24	2.0	2.5	* 1.3	* 2.5	
03	55	8.0	5.0	* 2.8	* 4.5	54	6.0	6.0	* 7.5	*10.0	39	4.0	10.0	* 1.0	* 2.5	24	0.5	4.0	* 1.0	* 2.0	
04	54	6.5	6.5	* 3.0	* 5.0	54	6.3	6.0	* 3.8	* 6.5	36	7.0	19.0	* 2.5	* 4.0	24	0.3	4.0	* 2.5	* 3.5	
05	56	2.6	10.0	* 4.0	* 5.8	56	6.0	8.3			37	4.3	6.3	* 3.5	* 5.3	24	2.0	4.0	* 2.0	* 2.8	
06	52	6.0	4.6	* 3.0	* 4.5	50	6.0	6.8	3.5	5.5	37	4.5	18.5	* 2.5	* 4.0	24	2.3	2.0	* 1.5	* 2.5	
07	48	4.3	4.3	* 2.5	* 4.5	48	4.1	8.0	* 3.3	* 4.5	39	4.0	4.0	* 2.0	* 3.5	26	2.0	4.0	* 2.0	* 2.5	
08	44	6.0	6.0	* 3.0	* 4.0	40	10.4	6.3	* 2.0	* 3.8	37	8.5	20.0			26	2.0	3.5	* 2.0	* 3.5	
09	44	6.0	8.6	* 2.3	* 2.5	36	8.0	6.8	* 2.0	* 3.5	35	8.3	12.8	* 2.0	* 3.5	26	2.5	2.5	* 2.0	* 2.5	
10	44	4.0	6.5	* 2.8	* 3.8	36	6.0	6.7	* 2.5	* 4.0	33	6.0	16.0	* 2.5	* 4.0	26	5.5	2.0	* 3.0	* 4.3	
11	44	4.0	7.5	* 2.0	* 3.3	36	7.3	6.0	* 4.8	* 6.8	34	6.8	7.0			26	8.4	3.5	* 2.5	* 3.8	
12	44	4.7	6.7	* 2.8	* 3.8	36	6.7	6.0	* 1.5	* 3.5	33	5.4	16.0	* 2.3	* 3.3	26	8.0	2.7	* 2.0	* 3.3	
13	42	6.7	2.0	* 1.5	* 2.5	36	6.9	4.0	* 1.0	* 3.0	35	2.0	4.9	* 3.0	* 4.5	26	8.9	2.0	* 2.5	* 4.0	
14	44	7.1	4.0	* 1.5	* 2.8	38	7.3	5.3	* 1.8	* 2.8	33	7.5	16.0	* 1.8	* 2.5	26	2.0	2.8	* 2.0	* 3.5	
15	44	5.7	3.7	* 3.0	* 3.5	42	7.6	5.6	* 4.0	* 6.0	39	5.5	9.9	* 3.0	* 5.0	26			* 1.5	* 2.5	
16	46	6.7	2.7	* 1.5	* 3.0	52	9.3	2.0	* 4.5	* 7.0	39	8.0	22.0	* 2.0	* 3.0	24	2.0	2.0	* 1.0	* 2.5	
17	50	10.7	2.0	2.5	4.0	54	7.2	8.0	* 5.0	* 8.0	37	6.0	5.4	* 4.0	* 6.0	24	2.0	2.0	1.0	2.5	
18	52	12.0	4.7	* 2.3	* 3.5	55	5.4	7.5	* 4.5	* 7.5	31	7.1	14.0	* 2.3	* 3.0	23	2.5	3.5	1.5	2.5	
19	54	10.0	6.0	3.3	5.0	54	6.7	6.0	* 4.0	* 7.0	31	3.4	4.0	3.0	5.0	23	2.5	2.4	1.5	2.5	
20	54	10.0	8.0	3.0	5.0	58	6.0	9.0	* 3.0	* 5.5	29	6.7	12.0	* 2.0	* 3.0	24	1.5	4.0	* 1.5	* 2.5	
21	56	6.7	8.7	3.0	5.5	58	8.0	10.0	* 4.0	* 7.5	31	10.0	4.7	* 2.0	* 3.5	22	1.5	2.5	* 1.3	* 2.5	
22	56	6.0	8.7	* 2.0	* 3.0	56	4.7	11.3	* 4.5	* 6.5	29	8.7	12.0	* 2.0	* 3.0	22	2.9	2.0	* 1.8	* 3.0	
23	56	6.0	8.0	* 4.0	* 6.5	56	2.7	9.4	* 4.0	* 6.5	35	8.0	7.4	* 2.5	* 4.3	23	1.0	3.0	* 1.5	* 2.0	

\* Fewer than 15 days data on power measurements and no computations made for D<sub>u</sub> and D<sub>l</sub>.

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

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.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BOULDER, COLORADO

LAT. 40.1 N

LONG. 105.1 W

JANUARY 1965

TIME M P. R. I.	FREQUENCY (Mc)																			
	.013					.051					.160					.495				
	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>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	152	5.9	4.1	*12.0	*17.0	*135			*2.0	*6.0	*96			*4.5	*6.5	80	14.0	9.4	*7.0	*11.5
01	152	6.1	4.4	*10.0	*16.0	*136			*3.0	*8.0	98	20.0	5.9	*6.8	*8.3	82	11.5	6.9	*5.0	*10.0
02	152	8.0	4.0	*11.5	*17.0	138	6.0	6.3			*99			*6.5	*10.0	82	11.1	9.1	*5.5	*10.0
03	152	6.1	3.9	*11.0	*16.0	*138			*3.0	*7.5	97	15.3	6.8	*4.0	*5.0	78	14.5	5.0	*5.5	*9.5
04	152	7.5	3.9	*13.0	*18.5	138	6.2	6.0	*2.5	*7.5	*96			*9.5	*15.0	78	12.9	10.0	6.5	10.0
05	152	4.5	4.0	*12.3	*17.8	136	5.3	6.0	*3.0	*7.3	90	21.9	5.8	*10.5	*18.5	74	11.4	8.0	*6.5	*10.5
06	152	4.6	6.0	*12.8	*18.8	136	2.0	4.3	*2.3	*6.5	*84			*7.0	*7.0	68	6.0	6.0	*4.8	*7.0
07	152	2.6	4.0	*11.5	*18.0	*132			*2.5	*7.0	82	5.3	4.5			64	3.4	6.0	*2.5	*4.0
08	148	4.7	6.0	*11.3	*16.0	132	2.6	2.3	*2.5	*7.0	*80					63	1.9	3.9	*2.0	*3.5
09	148	4.8	4.0	*11.3	*16.5	*126			*2.0	*6.5	82	11.4	4.1			62	4.0	4.0	*3.0	*4.5
10	148	4.8	8.3	*10.8	*15.5	126	4.4	19.8	*2.0	*6.0	*80					62	4.9	4.9	*2.0	*3.5
11	148	6.6	2.9	*9.8	*13.5	124	6.6	18.0	*3.5	*6.5	*82					63	3.5	3.5	*1.0	*2.5
12	148	6.5	4.0	12.0	16.5	126	6.1	20.2	*2.0	*5.5	*80					62	4.0	2.9	*2.0	*3.3
13	150	5.8	4.9	*12.3	*18.0	124	6.2	18.4	*6.5	*8.5	80	12.2	2.0			62	6.0	2.0	*2.0	*3.3
14	150	4.0	6.0	*13.3	*19.3	*124			*4.3	*6.8	*80					64	3.3	5.3	*2.0	*3.5
15	148	5.8	8.0	*12.5	*16.3	*123					82	7.9	3.9			64	2.0	3.1	*1.5	*2.8
16	148	4.7	8.7	*14.0	*19.5	*128			*2.8	*7.5	*83					64	13.8	4.0	*2.0	*3.3
17	148	6.3	6.3	*13.3	*18.3	*132					90	17.4	10.0			70	16.0	6.0	*4.5	*7.0
18	152	2.9	8.0	*13.8	*18.0	132	2.1	7.4	*2.8	*7.0	*90			*7.5	*7.5	76	12.2	8.0	*4.3	*6.3
19	150	6.2	5.1	*14.5	*20.0	134	3.6	4.2			93	15.5	5.2	*7.0	*9.0	78	12.0	6.7	*5.0	*9.0
20	150	6.0	4.0	*14.8	*20.5	*135			*2.5	*6.0	*93			*5.5	*7.8	79	12.8	7.9	*5.3	*9.3
21	150	6.0	6.0	*12.8	*18.3	134	3.9	6.5	*3.8	*7.3	98	16.1	6.2	*5.5	*8.3	80	14.0	6.0	*5.0	*9.5
22	151	5.3	7.2	*13.5	*19.3	*132			*3.5	*6.5	*96			*7.8	*10.0	82	11.1	8.2	*7.0	*12.3
23	151	5.5	5.5	*12.8	*18.8	*136			*3.5	*7.5	*102			*8.5	*12.5	82	15.1	6.0	*6.5	*10.5

TIME M P. R. I.	FREQUENCY (Mc)																			
	2.5					5					10					20				
	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>	F <sub>am</sub>	D <sub>u</sub>	D <sub>l</sub>	V <sub>dm</sub>	L <sub>dm</sub>
00	57	6.3	4.2	*4.8	*7.3	55	6.1	2.2	*5.0	*8.5	*35					23	0.0	2.0	*1.3	*2.3
01	56	7.2	3.2	*3.5	*6.3	54	7.1	3.0	*4.5	*8.0	39	6.0	6.0	*2.3	*3.8	23	0.0	2.0	*1.0	*2.0
02	55	6.3	3.9	*4.5	*7.0	55	5.7	2.2	*4.5	*7.3	*35					23	0.3	0.3	*1.3	*2.5
03	55	7.7	4.0	*4.3	*7.3	55	6.1	2.0	*4.8	*7.5	41	9.0	9.5	*2.0	*3.5	23	2.0	0.0	*1.0	*2.5
04	55	5.9	6.0	*3.5	*6.3	55	6.1	4.2	*4.5	*8.5	*35			*2.5	*3.5	23	2.0	0.0	*1.0	*2.3
05	55	6.0	5.9	4.5	7.0	57	4.6	5.9	*4.5	*7.8	36	12.3	3.0	*1.8	*2.5	23	2.0	0.0	1.5	2.5
06	54	5.2	5.2	*3.0	*5.0	53	4.8	4.0	*4.5	*7.3	*41			*1.5	*3.5	25			1.5	2.5
07	49	4.0	3.9	*3.3	*5.0	51	4.0	4.0	*4.0	*5.8	43	5.7	5.6	*3.5	*6.0	25			1.5	2.8
08	43	4.0	2.0	*3.5	*5.0	45	9.7	3.9	*2.8	*4.8	*41			*2.5	*4.5	25	2.0	2.0	2.0	3.5
09	41	4.2	1.9	*2.5	*3.5	41	3.9	4.0	*1.5	*3.5	40	6.6	5.0	*3.0	*6.0	25	2.0	1.9	*2.0	*3.5
10	43	2.0	2.0	*2.5	*3.5	39	5.9	2.2	*2.5	*4.0	*37					25	2.0	0.0	*2.0	*3.5
11	43	2.6	2.3	*2.0	*3.5	39	6.0	4.8	*1.8	*3.5	37	6.0	3.1			27	2.2	2.0	*2.0	*3.5
12	43	4.0	2.0	*1.5	*3.5	39	6.1	4.2	*2.5	*4.5	*37					25	4.0	0.2	*2.0	*3.5
13	43	4.0	2.2	*2.3	*3.3	39	6.0	4.0	*2.8	*4.3	*37	6.0	2.0	*3.5	*6.5	27	0.3	2.3	*1.8	*3.0
14	45	2.0	2.3	*2.0	*3.5	41	2.3	4.0	*2.0	*4.0	*39			*2.5	*5.0	25	2.0	2.0	*2.0	*3.3
15	45	2.0	3.0	*2.0	*3.0	43	6.3	2.2	*1.0	*3.0	41	6.1	2.0			25	2.0	2.0	*1.5	*3.0
16	45	8.6	2.3	*2.0	*3.0	50	9.0	5.5	*3.5	*6.0	*45					23	4.0	0.0	*1.5	*2.8
17	49	10.1	4.6	2.5	4.0	55	4.3	6.6	*3.0	*6.0	37	13.7	4.0	*3.0	*4.0	23	2.0	0.0	*2.5	*4.0
18	51	11.9	3.9	*7.5	*11.8	55	5.9	5.7	*3.5	*6.0	*34					23	1.9	2.0	*1.5	*3.0
19	54	9.2	5.0	*3.5	*5.3	57	4.2	6.2	*4.8	*9.0	33	11.4	2.1	*3.0	*4.0	23	0.0	2.0	*1.0	*2.5
20	55	9.7	5.9	*5.0	*7.0	55	8.2	2.0	*3.5	*6.5	*33					23	0.0	2.0	*1.0	*2.0
21	55	11.6	4.2	*4.0	*6.8	58	7.2	3.2			33	4.4	2.2	*2.0	*3.5	23	0.2	2.0	*1.8	*3.0
22	57	8.0	6.0	*4.0	*6.5	57	6.4	4.0			*33					23	0.0	2.0	*1.5	*2.5
23	55	10.0	2.3	*5.0	*7.0	55	8.2	2.2	*3.8	*6.8	36	8.3	4.3	*2.5	*4.0	23	0.0	2.0	*1.0	*2.5

\* Fewer than 15 days data on power measurements and no computations made for D<sub>u</sub> and D<sub>l</sub>.

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

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

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