Index=log(QSOs)+Accuracy Factor (1 - Error in %/100)

Accuracy Factor = 10

Single-Op Unlimited					Single-Op (Non-assisted)					Multi-Op				
Call	**Category**	**QSOs**	**Error %**	**Index**	**Call**	**Category**	**QSOs**	**Error %**	**Index**	**Call**	**Category**	**QSOs**	**Error %**	**Index**
AA3B	SAH	4280	1	13.531	K1ZZ	S	4176	0.5	13.571	W3LPL	MM	6788	1.4	13.692
KI1G	SAH	4143	1.2	13.497	K3CR (LZ4AX, op)	S	4312	0.8	13.555	K3LR	MM	6574	1.6	13.658
N3RS	SAH	3479	0.8	13.461	W1UE	S	4044	1.4	13.467	WE3C	MM	6260	1.4	13.657
AB3CX	SAH	3343	0.7	13.454	AA1K	S	3585	1.3	13.424	NR4M	MM	6066	1.8	13.603
WA1Z	SAH	3366	0.8	13.447	VY2TT (K6LA, op)	S	3801	2	13.380	N1TA	MM	5396	1.3	13.602
K3WW	SAH	4145	2.1	13.408	WX0B (AD5Q, op)	S	2627	0.4	13.379	W2FU	M2X	5127	1.9	13.520
VA2WA	SAH	2988	0.8	13.395	N4AF	S	3529	1.8	13.368	W4RM	MM	4801	1.8	13.501
K5ZD	SAH	2766	0.6	13.382	N1RR (@ K6ND)	S	3393	1.9	13.341	K9CT	M2X	4226	1.3	13.496
K1XM	SAH	3143	1.3	13.367	N2IC	S	2742	1.2	13.318	VE3JM	M2X	3982	1.9	13.410
WC1M	SAH	2776	0.8	13.363	N1UR	S	3444	2.2	13.317	N0NI	M2X	3585	1.8	13.374
W1GD	SAH	2490	0.8	13.316	KQ2M	S	3472	2.3	13.311	W9SN	M2X	4111	2.4	13.374
KF3B	SAH	3063	1.8	13.306	W1WEF	S	2684	1.4	13.289	N2NT	MM	3479	1.8	13.361
KV2K (K2NG, op)	SAH	3227	2.4	13.269	CG3AT (VE3AT, op)	S	2557	1.2	13.288	N1MM	MSH	3153	1.7	13.329
N3QE	SAH	2100	0.9	13.232	W4CB (W2RU, op)	S	2320	1.2	13.245	K8AZ	M2X	3859	2.6	13.326
K3IPK	SAH	1995	0.7	13.230	K2NV	S	1974	0.8	13.215	W5MX	MSH	2889	1.5	13.311
AA9A (N9UA, op)	SAH	2072	1	13.216	NA8V	S	2142	1.2	13.211	N7AT	M2X	2598	1.5	13.265
WY3A	SAH	2251	1.4	13.212	N4TZ	S	2079	1.3	13.188	K2QMF	M2X	3944	3.5	13.246
WO4O	SAH	2148	1.2	13.212	K6XX	S	1944	1.2	13.169	K3PH	MSH	2280	1.3	13.228
WB9Z	SAH	2277	1.6	13.197	N8II	S	1739	0.9	13.150	N4WW	MSH	3117	2.9	13.204
K3WJV	SAH	1941	1	13.188	W2XL	S	1768	1	13.147	W1DX	M2X	2295	1.8	13.181
W4ML (W4MYA, op)	SAH	1910	1.1	13.171	AD5A	S	1708	0.9	13.142	K5TR	MM	2442	2.1	13.178
N8BJQ	SAH	1621	0.4	13.170	NX2X	S	1802	1.2	13.136	N2WKS	MSL	2102	1.5	13.173
N2SR	SAH	2370	2.1	13.165	K3ZO	S	2373	2.5	13.125	K1KP	MM	2373	2.1	13.165
K3MD	SAH	2186	1.9	13.150	K1LT	S	1825	1.4	13.121	W2CG	M2X	2656	2.6	13.164
W2YC	SAH	2213	2	13.145	N5AW	S	1669	1.3	13.092	W1NY	MSL	1905	1.4	13.140
K3SW	SAH	2042	1.7	13.140	NA0N	S	1464	0.8	13.086	WG3J	MM	2768	3.2	13.122
KE1J	SAH	2227	2.1	13.138	K6NA	S	1413	0.7	13.080	W8TK	MSH	1826	2	13.062
W1QK	SAH	1932	1.5	13.136	VE3VN	S	1438	1	13.058	K6LL	MSH	1794	2	13.054
K0ZR	SAH	2188	2.1	13.130	K5KU	S	1471	1.1	13.058	W5RU	MM	2842	4.2	13.034
K4MM (W4IX, op)	SAH	2193	2.2	13.121	K1RM	S	1426	1.3	13.024	W1CSM	MM	2138	3.1	13.020
W3GQ	SAH	1486	0.6	13.112	K8GL	S	1139	0.4	13.017	W0AIH	M2X	1874	2.9	12.983
K5EK	SAH	1617	1	13.109	K4AB	S	1678	2.1	13.015	N0IJ	M2X	1464	2	12.966
WX1S	SAH	1472	0.6	13.108	N6TV	S	1158	0.5	13.014	VE3YAA	M2X	2668	4.7	12.956
K8CX	SAH	1808	1.5	13.107	N7ZG	S	1549	1.8	13.010	K5UA	MSH	1270	1.7	12.934
VE3RZ	SAH	1556	1	13.092	K9MA	S	1297	1.1	13.003	W9VW	M2X	2225	4.5	12.897
N3ND	SAH	1366	0.7	13.065	K1GU	S	1106	0.5	12.994	AB4B	MSL	1554	3.3	12.861
W1FJ	SAH	1638	1.5	13.064	NB1N	S	1675	2.5	12.974	K7RI	MSH	1142	2.1	12.848
K9IMM	SAH	1616	1.5	13.058	K8MP	S	1233	1.2	12.971	K7JR	MSH	1022	2.6	12.749
W1EBI	SAH	1502	1.2	13.057	K2LNS	S	1085	1.2	12.915	VE2BWL	MSH	1471	4.2	12.748
K7BV	SAH	2372	3.2	13.055	N4TB	S	1136	1.4	12.915	KA1IOR	MSH	913	2.5	12.710
NW3Y	SAH	1910	2.3	13.051	N1IX	S	1000	0.9	12.910	K3CCR	M2X	1397	4.8	12.665
N4KG	SAH	1261	0.5	13.051	K7BG	S	1250	1.9	12.907	W3DQ	MSH	939	3.3	12.643
K1ESE	SAH	1513	1.3	13.050	K1VSJ	S	1053	1.2	12.902	K5ZM	MSH	695	2.7	12.572
VO1HP	SAL	1313	0.7	13.048	K3TC	S	1252	2.1	12.888	N1SOH	MSL	542	2	12.534
WO1N	SAL	1187	0.3	13.044	K6XT	S	1057	1.4	12.884	W6RFU	MSH	539	2	12.532
W3KB	SAL	1479	1.3	13.040	WJ9B	S	1184	2.1	12.863	W3YI	MSL	706	4.3	12.419
AA7A (NA7TB, op)	SAH	1433	1.2	13.036	W2MMD (WK2G, op)	S	997	1.4	12.859	W7DXX	MSH	815	6	12.311
K3ND	SAH	1219	0.5	13.036	K1HT	S	808	0.5	12.857	N0KQ	MSH	419	3.2	12.302
N2MM	SAH	2399	3.5	13.030	NN1N	S	868	0.9	12.849	K0UK	MSL	600	5.4	12.238
N5FO	SAH	1992	2.7	13.029	W0UO	S	1102	2	12.842	WX5S	MSH	520	5.1	12.206
K1AR	SAH	2232	3.2	13.029	N4NO	S	985	1.6	12.833	VY1AAA	MSH	408	4.2	12.191
K2XR	SAH	1324	1	13.022	W3IUU	S	781	0.8	12.813	K0OO	M2X	1140	9.1	12.147
KE8M	SAH	1207	0.7	13.012	K3UL	S	1955	4.8	12.811	NE3F	MM	1183	9.7	12.103

VA3DF	SAL	1437	1.5	13.007		K9QVB	S	810	1	12.808		K3OQ	MSH	241	2.8	12.102
N2AN (WC4E/1, op)	SAL	1256	1	12.999		KI6RRN	S	769	0.9	12.796		AA1CT	MSH	967	9.5	12.035
W2LE	SAH	1022	0.3	12.979		W1JQ	S	738	0.9	12.778		AD4ES	MSH	239	3.6	12.018
WW3S	SAL	1143	0.8	12.978		W2TZ	S	1101	2.7	12.772		WD9EXD	MSL	168	5.1	11.715
W2IRT	SAH	1257	1.3	12.969		K5YAA	S	1446	4	12.760		KB5ENP	MSL	109	3.5	11.687
W9XT	SAL	1126	0.9	12.962		N1DC	S	777	1.4	12.750		CG6AO	MSH	37	0	11.568
W3OA	SAH	1002	0.5	12.951		K4PV	S	1198	3.3	12.748		VA7GI	MSH	259	8.5	11.563
K1ZE	SAH	998	0.5	12.949		KJ4QHL	S	1266	3.7	12.732		W3MF	MSH	26	0	11.415
K1RO	SAH	1054	0.8	12.943		KU8E	S	859	2.1	12.724		W8UM	MSL	84	6.7	11.254
W6TK	SAH	1020	0.7	12.939		K4IVF	S	597	0.7	12.706		K0JE	MSH	70	6.7	11.175
K7SCX	SAH	1045	1	12.919		N7IR	S	531	0.2	12.705						
NN7CW	SAH	1131	1.4	12.913		N4AA	S	695	1.4	12.702						
KB1W	SAH	1418	2.5	12.902		K8CN	S	659	1.2	12.699						
KG4V (N1EN, op)	SAL	1255	2.1	12.889		N1QY	S	789	2	12.697						
KA6BIM	SAH	1250	2.1	12.887		N8NA	S	612	1.1	12.677						
N4RA	SAH	1015	1.2	12.886		NC1I (K1RX, op)	S	1054	3.5	12.673						
K3OO	SAH	840	0.4	12.884		W4YE	S	655	1.5	12.666						
W1HIS	SAH	1352	2.5	12.881		W8TM	S	503	0.4	12.662						
K1KI	SAH	992	1.2	12.877		VA3EC	S	553	0.9	12.653						
K1RV	SAH	879	0.7	12.874		N7QT	S	988	3.5	12.645						
K2KQ	SAH	1248	2.3	12.866		W0VM	S	433	0	12.636						
N8EA	SAH	892	0.9	12.860		W1ZK	S	697	2.1	12.633						
N2BA	SAH	942	1.2	12.854		WQ5L	S	516	0.8	12.633						
VE5MX	SAH	855	0.8	12.852		W8CUB (K2CUB, op)	S	1130	4.3	12.623						
W8MJ	SAH	1721	3.9	12.846		AD4EB	S	591	1.5	12.622						
WE9V	SAH	913	1.2	12.840		W9WI	S	479	0.6	12.620						
W1NG	SAH	889	1.1	12.839		VE3TG	S	435	0.2	12.618						
AB3CV	SAH	908	1.2	12.838		NE8P	S	551	1.3	12.611						
N3ZA	SAH	907	1.2	12.838		W3SM	S	660	2.1	12.610						
WA2VYA	SAH	866	1	12.838		N1CC	S	613	1.9	12.597						
NN4X	SAH	845	0.9	12.837		K5TU	S	526	1.3	12.591						
N1TO	SAH	1437	3.3	12.827		W7YAQ	S	388	0	12.589						
VE2FK	SAH	946	1.5	12.826		VE3KP	S	552	1.6	12.582						
W1AJT	SAH	912	1.4	12.820		KD9MS	S	498	1.2	12.577						
K5BG	SAH	724	0.4	12.820		VE3IAE	S	592	2	12.572						
N6AR	SAH	1089	2.2	12.817		W6JTI	S	419	0.5	12.572						
WJ2D	SAH	1032	2	12.814		N5KWN	S	525	1.5	12.570						
N8TR	SAH	948	1.7	12.807		K7QA	S	758	3.2	12.560						
W1RM	SAH	905	1.5	12.807		K9JF	S	532	1.7	12.556						
KE2D	SAL	768	0.8	12.805		KA1API	S	621	2.4	12.553						
K5NZ	SAH	792	1	12.799		K8MR	S	433	0.9	12.546						
K2SX	SAH	1041	2.2	12.797		N4HA	S	583	2.2	12.546						
K3PP	SAH	969	1.9	12.796		K4AMC	S	773	3.5	12.538						
AC5K	SAH	713	0.6	12.793		AC4G	S	690	3.2	12.519						
K1TR	SAL	709	0.6	12.791		N6MU	S	396	0.8	12.518						
W0VX	SAH	724	0.7	12.790		N4WE	S	585	2.5	12.517						
W1EQ	SAH	911	1.7	12.790		KC4TEO	S	463	1.5	12.516						
KB3Z	SAH	791	1.1	12.788		K6NR	S	367	0.5	12.515						
N2SQW	SAL	1010	2.2	12.784		N2EM	S	666	3.2	12.503						
KE4KY	SAH	1047	2.5	12.770		N7WY	S	516	2.1	12.503						
AB2E	SAH	911	1.9	12.770		KC0V	S	514	2.1	12.501						
WS7L	SAH	703	0.8	12.767		WS9M	S	523	2.2	12.499						
NA4K	SAH	726	1	12.761		W1PR	S	432	1.4	12.495						
K3UW	SAH	1145	3	12.759		KM2L	S	352	0.6	12.487						
W4TAA	SAH	1356	3.8	12.752		K0JJR	S	327	0.3	12.485						
NA2AA	SAL	634	0.5	12.752		NU7J	S	350	0.6	12.484						
KE4S	SAH	755	1.3	12.748		VE3BR	S	414	1.4	12.477						

W7RN (K5RC, op)	SAH	1018	2.6	12.748		AK2S	S	430	1.6	12.473						
N4VV	SAH	752	1.3	12.746		NN5T	S	472	2.1	12.464						
KM5PS	SAH	1036	2.7	12.745		K4RDU	S	407	1.5	12.460						
N2TK	SAH	900	2.1	12.744		W6QU (W8QZA, op)	S	329	0.6	12.457						
K2RET	SAH	817	1.7	12.742		KE8G	S	451	2	12.454						
NF1O	SAH	816	1.7	12.742		KJ9C	S	302	0.3	12.450						
WA3AAN	SAH	996	2.6	12.738		W9OP	S	790	4.5	12.448						
K6WSC	SAL	625	0.6	12.736		K0CF	S	361	1.1	12.448						
W0PV	SAL	668	0.9	12.735		KG1V	S	360	1.1	12.446						
N2NS	SAH	699	1.1	12.734		KS4X	S	394	1.5	12.445						
VE9HF	SAH	812	1.8	12.730		VA3ATT	S	553	3	12.443						
K3ZU	SAH	826	1.9	12.727		N2UU	S	391	1.5	12.442						
AD1C	SAL	556	0.2	12.725		K6AR	S	402	1.7	12.434						
W1NK	SAH	729	1.4	12.723		KB3LIX	S	505	2.7	12.433						
W9IU	SAH	1357	4.1	12.723		W3FAY	S	349	1.1	12.433						
AA1V	SAH	752	1.6	12.716		W1MK	S	897	5.2	12.433						
KR4F	SAH	894	2.4	12.711		K1BV	S	632	3.7	12.431						
W4EE	SAL	616	0.8	12.710		N6RV	S	843	5	12.426						
N8PR	SAH	628	0.9	12.708		W4IOP	S	266	0	12.425						
N2ZX	SAH	657	1.1	12.708		AA3TT	S	265	0	12.423						
K3IE	SAH	671	1.2	12.707		WB4YDY	S	526	3	12.421						
K4LM	SAH	803	2	12.705		W0ZP	S	522	3	12.418						
KK7JS	SAH	711	1.5	12.702		K2PS	S	359	1.4	12.415						
AC4CA	SAH	794	2	12.700		KQ1F	S	304	0.7	12.413						
N8VV	SAL	547	0.4	12.698		K9UIY	S	446	2.4	12.409						
WA3C/8	SAH	967	2.9	12.695		N4AU	S	314	0.9	12.407						
WT9U	SAH	755	1.9	12.688		K9KM	S	363	1.6	12.400						
WX4G	SAH	1503	4.9	12.687		VA7ST	S	360	1.6	12.396						
KA2D	SAL	807	2.2	12.687		CG2AWR (VE2AWR, op	S	310	1	12.391						
W1CTN	SAH	939	2.9	12.683		K1TN	S	418	2.3	12.391						
NW0M	SAH	504	0.2	12.682		K0VXU	S	677	4.4	12.391						
KF3N	SAL	562	0.7	12.680		W0ETT	S	537	3.4	12.390						
NS9I	SAH	785	2.2	12.675		K2YAZ	S	386	2	12.387						
W2JU	SAH	537	0.6	12.670		WB9HFK	S	284	0.7	12.383						
NW8U	SAH	798	2.4	12.662		W2TF	S	578	3.8	12.382						
N0AT	SAH	1050	3.6	12.661		WA6FGV	S	317	1.2	12.381						
N6JV	SAH	760	2.2	12.661		K1RX	S	610	4.1	12.375						
K0AD	SAH	759	2.2	12.660		W6FA	S	366	1.9	12.373						
K5UV	SAH	575	1	12.660		K0PK	S	258	0.4	12.372						
KE3X	SAH	954	3.2	12.660		K8LS	S	589	4.1	12.360						
N2GA	SAL	674	1.7	12.659		K6LRN	S	309	1.3	12.360						
N4PN	SAH	831	2.7	12.650		N8IL	S	764	5.3	12.353						
W3FIZ	SAH	1088	3.9	12.647		WB8AKW	S	395	2.5	12.347						
N3FJP	SAH	714	2.1	12.644		VE1ANU	S	493	3.5	12.343						
WK4AA	SAL	593	1.3	12.643		KI1U	S	281	1.1	12.339						
N4ZZ	SAH	627	1.6	12.637		AB0S	S	386	2.5	12.337						
K4LQ	SAH	986	3.6	12.634		KW4J	S	216	0	12.334						
K2EP	SAH	515	0.8	12.632		WA9AQN	S	258	0.8	12.332						
W2YE	SAH	545	1.1	12.626		N3BB	S	448	3.2	12.331						
N2BJ	SAH	843	3	12.626		N5EE	S	431	3.1	12.324						
W4GE	SAH	596	1.5	12.625		K3SEN	S	365	2.4	12.322						
AD8J	SAL	581	1.4	12.624		KE2WY	S	481	3.6	12.322						
N4GU	SAH	580	1.4	12.623		K0OU	S	515	3.9	12.322						
W4PM	SAH	592	1.5	12.622		K6RB	S	302	1.6	12.320						
KT0A	SAH	896	3.3	12.622		AF5CC	S	287	1.4	12.318						
K5ZO	SAH	1000	3.8	12.620		K6YK	S	347	2.3	12.310						
N3CW	SAH	769	2.7	12.616		VE3OM	S	347	2.3	12.310						

WB0N	SAH	515	1	12.612		AD0RW	S	281	1.4	12.309						
NK3Y	SAL	652	2.1	12.604		CF3IK	S	203	0	12.307						
N1LN	SAL	418	0.2	12.601		N7RVD	S	395	2.9	12.307						
WA7AN (K9DR, op)	SAH	692	2.4	12.600		WA2QAU	S	311	1.9	12.303						
K7JQ	SAH	868	3.4	12.599		W2UDT	S	200	0	12.301						
K3KO	SAL	642	2.1	12.598		W4SNF (VE3AYR, op @	S	200	0	12.301						
WA3F	SAH	670	2.3	12.596		KX2S	S	432	3.4	12.295						
W6SX	SAH	495	1	12.595		N2BEG	S	292	1.7	12.295						
W4CU	SAH	494	1	12.594		N4VI	S	272	1.4	12.295						
K0BJ	SAH	730	2.7	12.593		N3XF	S	401	3.1	12.293						
N1IXF	SAH	471	0.8	12.593		WM4I	S	364	2.7	12.291						
K5NA	SAH	470	0.8	12.592		KO4FD	S	195	0	12.290						
N2JJ	SAH	526	1.3	12.591		N6XI	S	234	0.8	12.289						
K6UM	SAH	401	0.2	12.583		WR2G	S	387	3	12.288						
K1EO	SAH	1004	4.2	12.582		KX1E	S	412	3.3	12.285						
N8RA	SAH	663	2.4	12.582		KU1N	S	271	1.5	12.283						
KM1X	SAH	444	0.7	12.577		CF3CCO (VE3KZ, op)	S	448	3.7	12.281						
W8HAP	SAH	498	1.2	12.577		K2ZC	S	251	1.2	12.280						
NA3M	SAH	597	2	12.576		N7IV	S	489	4.1	12.279						
WA2FZB	SAH	639	2.3	12.576		KT8K	S	330	2.4	12.279						
K7AR	SAH	610	2.1	12.575		W3PH	S	393	3.2	12.274						
NO9E	SAH	541	1.6	12.573		AF8A	S	247	1.2	12.273						
N5XJ	SAH	525	1.5	12.570		KD5J	S	296	2	12.271						
K4YYL	SAH	457	0.9	12.570		VA7MG	S	353	2.8	12.268						
AA0AI	SAL	561	1.8	12.569		W8FN	S	244	1.2	12.267						
N3JT	SAH	587	2	12.569		KM6JD	S	472	4.1	12.264						
N3AM	SAH	434	0.7	12.567		WB8JAY	S	205	0.5	12.262						
VA3DX	SAH	698	2.8	12.564		KS7T	S	370	3.1	12.258						
NE0U	SAH	783	3.3	12.564		NA7OM	S	181	0	12.258						
N3OUC	SAL	366	0	12.563		N5XE	S	222	0.9	12.256						
W4UT	SAH	564	1.9	12.561		WB2ABD	S	200	0.5	12.251						
AB1J	SAL	364	0	12.561		N4EK	S	368	3.2	12.246						
W3JX	SAH	893	3.9	12.561		N3CZ	S	197	0.5	12.244						
VE2EZD	SAH	476	1.2	12.558		K4FXN	S	297	2.3	12.243						
W0BR	SAH	405	0.5	12.557		NJ2F	S	235	1.3	12.241						
VO2AC	SAL	545	1.8	12.556		K2QB	S	323	2.7	12.239						
N4IQ	SAH	778	3.4	12.551		K5AND	S	497	4.6	12.236						
N7EPD	SAH	397	0.5	12.549		K5XU	S	335	2.9	12.235						
N7DD	SAH	1118	5	12.548		W5LA	S	374	3.4	12.233						
KG7CW	SAH	535	1.8	12.548		W2LC	S	382	3.5	12.232						
W0BM	SAH	508	1.6	12.546		WE6EZ	S	209	0.9	12.230						
W8KA	SAH	596	2.3	12.545		AE0EE	S	229	1.3	12.230						
NG2O	SAL	450	1.1	12.543		K5GM	S	329	2.9	12.227						
N4DJ	SAH	553	2	12.543		N0UR	S	186	0.5	12.220						
VE4VT (VE4EAR, op)	SAH	606	2.4	12.542		KM4F	S	256	1.9	12.218						
AI2N	SAH	344	0	12.537		VE1AOE	S	208	1	12.218						
KC3WX	SAH	403	0.7	12.535		K7OM	S	272	2.2	12.215						
W7CT	SAH	403	0.7	12.535		W8IQ	S	373	3.6	12.212						
K4WW	SAH	506	1.7	12.534		K5FUV	S	550	5.3	12.210						
W4OC	SAH	648	2.8	12.532		W1ECH	S	334	3.2	12.204						
AB9YC	SAL	531	2	12.525		K8JQ	S	278	2.5	12.194						
W4ATL	SAH	451	1.3	12.524		K9DU	S	196	1	12.192						
N1IBM	SAH	708	3.3	12.520		AD7XG	S	152	0	12.182						
NZ3O	SAH	599	2.6	12.517		K0KR	S	152	0	12.182						
N4PD	SAH	557	2.3	12.516		K4ORD	S	209	1.4	12.180						
WA8ZBT	SAL	394	0.8	12.515		K7ACZ	S	295	3	12.170						
ND1Y	SAH	821	4	12.514		KQ4LA	S	379	4.1	12.169						

AA3K	SAH	574	2.5	12.509		K4GJF	S	147	0	12.167						
K2TE	SAL	535	2.2	12.508		N0RET	S	147	0	12.167						
K3VA	SAH	361	0.6	12.498		K1MC	S	267	2.6	12.167						
N0BUI	SAH	506	2.1	12.494		VE3TW	S	305	3.2	12.164						
K0JPL	SAH	374	0.8	12.493		N6GP	S	166	0.6	12.160						
KF6HI	SAH	633	3.1	12.491		WB0POH	S	216	1.8	12.154						
K5VIP	SAH	456	1.7	12.489		W6JK	S	163	0.6	12.152						
NG3J	SAH	440	1.6	12.483		WB8MIW	S	141	0	12.149						
K7GS	SAH	541	2.5	12.483		NA6MG	S	257	2.7	12.140						
VE5UF	SAH	399	1.2	12.481		W7GF	S	269	2.9	12.140						
K0AP	SAH	414	1.4	12.477		N5UL	S	483	5.5	12.134						
KN7K	SAH	671	3.5	12.477		W3CB	S	208	1.9	12.128						
AA4R	SAL	715	3.8	12.474		K2IZ	S	134	0	12.127						
KI0F	SAH	780	4.2	12.472		N4DE	S	314	3.7	12.127						
N8DE	SAH	550	2.7	12.470		W4SAA	S	556	6.2	12.125						
KO7SS	SAH	490	2.2	12.470		VE3QO	S	153	0.6	12.125						
WT9Q	SAL	587	3	12.469		WD1H	S	132	0	12.121						
K9MMS	SAH	422	1.6	12.465		K5WI	S	202	1.9	12.115						
VE7ACN	SAH	388	1.3	12.459		W5EK	S	188	1.6	12.114						
K6RIM	SAH	402	1.5	12.454		W0QQG	S	270	3.2	12.111						
KC2LST	SAH	489	2.4	12.449		ND9Z	S	296	3.6	12.111						
AA3S	SAH	394	1.5	12.445		AI4GR	S	245	2.8	12.109						
N0KE	SAH	768	4.4	12.445		NA2CC	S	128	0	12.107						
KA4RRU	SAH	359	1.1	12.445		AI4QQ	S	127	0	12.104						
W1SRD	SAH	354	1.1	12.439		VO1BQ	S	577	6.6	12.101						
K3TN	SAH	352	1.1	12.437		K4FTO	S	346	4.4	12.099						
K3WYC	SAL	311	0.6	12.433		WA8RCN	S	843	8.3	12.096						
N1KM	SAH	448	2.2	12.431		N8ME	S	226	2.6	12.094						
N1API	SAL	477	2.5	12.429		KE1U	S	124	0	12.093						
K0MPH	SAL	487	2.6	12.428		WQ9T	S	124	0	12.093						
WA7LNW	SAH	307	0.6	12.427		K3WWP	S	209	2.3	12.090						
AA4V	SAH	618	3.7	12.421		WB4GHZ	S	208	2.3	12.088						
WA4MSU	SAH	261	0	12.417		W9LHG	S	272	3.5	12.085						
K0RC	SAL	261	0	12.417		VA3PCJ	S	142	0.7	12.082						
N3CKI	SAL	360	1.4	12.416		K4PI	S	231	2.9	12.074						
NE3K	SAL	360	1.4	12.416		KS3K	S	139	0.7	12.073						
WA4JUK	SAH	768	4.7	12.415		N9ZI	S	280	3.8	12.067						
CF3FF	SAL	376	1.6	12.415		WN4AFP	S	383	5.2	12.063						
K2TWI	SAL	418	2.1	12.411		KV2X	S	115	0	12.061						
K0AV	SAH	317	0.9	12.411		KC5DCT	S	114	0	12.057						
VE3HG	SAL	499	2.9	12.408		NA2M	S	352	4.9	12.057						
W5KI	SAH	314	0.9	12.407		N4CU	S	112	0	12.049						
AA6PW	SAH	497	2.9	12.406		W9GT	S	387	5.4	12.048						
AE1T	SAH	254	0	12.405		AE5P	S	132	0.8	12.041						
K6SRZ	SAH	430	2.3	12.403		K1LKR	S	132	0.8	12.041						
N8OC	SAH	438	2.4	12.401		W6NF	S	147	1.3	12.037						
K7SS	SAH	364	1.6	12.401		K3CWF	S	288	4.3	12.029						
KE5LQ	SAL	293	0.7	12.397		WA6URY	S	174	2.2	12.021						
K0YR	SAH	508	3.1	12.396		VE1JBC	S	125	0.8	12.017						
K5AX	SAH	544	3.4	12.396		W7SE	S	305	4.7	12.014						
W9OA	SAH	422	2.3	12.395		N5TJ	S	103	0	12.013						
K9GS	SAH	312	1	12.394		W7HJ	S	103	0	12.013						
VE3ABN	SAH	566	3.6	12.393		WA5SOG	S	282	4.4	12.010						
K0SN	SAH	340	1.4	12.391		W6TMD	S	323	5	12.009						
K5CI	SAH	502	3.1	12.391		VE3SST	S	198	2.9	12.007						
K8GM	SAH	548	3.5	12.389		N4CW	S	100	0	12.000						
AB2DE	SAH	487	3	12.388		W7WSV	S	138	1.4	12.000						

N9LQ	SAL	307	1	12.387		W7ZI	S	233	3.7	11.997						
K4VD	SAH	485	3	12.386		W1BJ	S	99	0	11.996						
WF5E	SAL	243	0	12.386		K7DR	S	153	1.9	11.995						
W3EKT	SAH	953	6	12.379		W9VQ	S	220	3.5	11.992						
W2GDJ	SAL	424	2.5	12.377		K4KSR	S	97	0	11.987						
NK6A	SAH	261	0.4	12.377		KN4Y	S	284	4.7	11.983						
N4HB	SAH	412	2.4	12.375		KA9CAR	S	96	0	11.982						
KD3TB	SAH	609	4.1	12.375		KX6X	S	95	0	11.978						
W9AV	SAH	316	1.3	12.370		W1WQG	S	95	0	11.978						
KI0J	SAL	362	1.9	12.369		W5XB	S	95	0	11.978						
W1ARY	SAL	507	3.4	12.365		KC1SA	S	150	2	11.976						
WQ6X	SAH	716	4.9	12.365		K8ESQ	S	115	0.9	11.971						
NI7R	SAL	312	1.3	12.364		VE3CW	S	115	0.9	11.971						
K3FMQ	SAH	529	3.6	12.363		W5TV	S	213	3.6	11.968						
N2VW	SAH	401	2.4	12.363		W0UY	S	113	0.9	11.963						
NM5M	SAL	391	2.3	12.362		N3TG	S	200	3.4	11.961						
W2RD	SAH	338	1.7	12.359		N2MA	S	286	5	11.956						
W3GVX	SAH	305	1.3	12.354		N7JI	S	90	0	11.954						
W3TB	SAL	542	3.9	12.344		WA1N	S	159	2.5	11.951						
N8LR	SAL	263	0.8	12.340		W3FA	S	89	0	11.949						
K9GY	SAL	237	0.4	12.335		ND3R	S	109	0.9	11.947						
W9PA	SAH	666	4.9	12.333		WB0QLU	S	109	0.9	11.947						
N0KK	SAH	447	3.2	12.330		W7ZRC	S	157	2.5	11.946						
W7KF	SAH	398	2.7	12.330		ND0C	S	140	2.1	11.936						
N6BV	SAH	397	2.7	12.329		N2ED	S	193	3.5	11.936						
WS6X	SAH	352	2.2	12.327		W7EW	S	86	0	11.934						
NJ1T	SAL	335	2	12.325		W7POE	S	123	1.6	11.930						
W9YK	SAH	253	0.8	12.323		N5LB	S	85	0	11.929						
KA5M	SAH	271	1.1	12.323		VA3FN	S	165	2.9	11.927						
VE9ML	SAL	252	0.8	12.321		VE2ZT	S	286	5.3	11.926						
W1SJ	SAH	514	3.9	12.321		K1LU	S	331	6	11.920						
K1TW	SAL	302	1.6	12.320		K9FO	S	245	4.7	11.919						
VE7XF	SAH	251	0.8	12.320		N3KCJ	S	233	4.5	11.917						
NC6B	SAH	288	1.4	12.319		K3YNY	S	176	3.3	11.916						
N0HJZ	SAL	208	0	12.318		KG5U	S	149	2.6	11.913						
WA9LEY	SAL	287	1.4	12.318		W8IDM	S	175	3.3	11.913						
K0VG	SAH	267	1.1	12.317		W4UEF	S	271	5.2	11.913						
KC5FP	SAL	286	1.4	12.316		AC2IK	S	199	3.9	11.909						
KI0I	SAL	248	0.8	12.314		W5QLF	S	81	0	11.908						
W5GN	SAH	983	6.8	12.313		K4EU	S	147	2.6	11.907						
N9NA	SAH	612	4.8	12.307		N6NF	S	298	5.7	11.904						
WK2H	SAH	491	3.9	12.301		K4SPO	S	133	2.2	11.904						
WA6KHK	SAH	324	2.1	12.301		K7NEW	S	117	1.7	11.898						
AK7O	SAH	198	0	12.297		N8TCP	S	79	0	11.898						
K1LD	SAH	982	7	12.292		WD8RYC	S	99	1	11.896						
WA0JZK	SAH	347	2.5	12.290		N4CF	S	355	6.6	11.890						
K7VIT	SAH	257	1.2	12.290		AC2OC	S	144	2.7	11.888						
KF2O	SAH	497	4.1	12.286		AI9I	S	114	1.7	11.887						
K1TH	SAH	329	2.4	12.277		KB6A	S	97	1	11.887						
N4NA (NB4M, op)	SAH	341	2.6	12.273		WA0WWW	S	168	3.4	11.885						
K9PG	SAL	247	1.2	12.273		K3SU	S	384	7	11.884						
W2FDJ	SAL	310	2.2	12.271		K0DTJ	S	191	4	11.881						
W1UK	SAH	324	2.4	12.271		K8NVR	S	129	2.3	11.881						
K6ANP	SAH	561	4.8	12.269		KZ2I	S	112	1.8	11.869						
W3CL	SAH	353	2.8	12.268		AI9K	S	73	0	11.863						
VE3YT	SAH	414	3.5	12.267		ND0L	S	73	0	11.863						
AF4RK	SAH	227	0.9	12.266		K8AAV	S	187	4.1	11.862						

K4IU	SAH	412	3.5	12.265		K6KQV	S	138	2.8	11.860						
K3SV	SAH	241	1.2	12.262		W0KIT	S	137	2.8	11.857						
K2QPN	SAH	448	3.9	12.261		WB2WPM	S	372	7.2	11.851						
WC3N	SAH	479	4.2	12.260		WA8KAN	S	194	4.4	11.848						
WC2L	SAH	468	4.1	12.260		NR4C	S	121	2.4	11.843						
K1DBO	SAH	387	3.3	12.258		K4IE	S	400	7.6	11.842						
KI7Y	SAH	203	0.5	12.257		K5DB	S	295	6.3	11.840						
VA2CZ	SAL	417	3.7	12.250		K5ME	S	234	5.3	11.839						
KE0L	SAH	199	0.5	12.249		K9JU	S	133	2.9	11.834						
N1NN	SAH	199	0.5	12.249		K3ZA	S	201	4.7	11.833						
W4TTM	SAL	218	0.9	12.248		N9EP	S	87	1.1	11.830						
K5WG	SAH	177	0	12.248		KK9I	S	293	6.4	11.827						
K1SM	SAH	298	2.3	12.244		K9KJ	S	119	2.5	11.826						
WA2MCR	SAH	284	2.1	12.243		W9RF	S	119	2.5	11.826						
K6MM	SAH	362	3.2	12.239		K7ARJ	S	103	1.9	11.823						
KU4V	SAL	193	0.5	12.236		K9RU	S	355	7.3	11.820						
N2WK	SAH	441	4.1	12.234		N7GOA	S	66	0	11.820						
K7AHF	SAH	170	0	12.230		VE2QV	S	117	2.5	11.818						
W4XO	SAH	371	3.4	12.229		K9GB	S	188	4.6	11.814						
K0TQ	SAH	243	1.6	12.226		K2BIO	S	65	0	11.813						
W6RW	SAH	188	0.5	12.224		K4MZE	S	65	0	11.813						
K1VK	SAL	366	3.4	12.223		NC6V	S	85	1.2	11.809						
VE6KC	SAH	225	1.3	12.222		K2GLS	S	114	2.6	11.797						
WD9Q	SAH	272	2.2	12.215		KG9N	S	183	4.7	11.792						
AJ4F	SAL	203	1	12.207		W1MJ	S	62	0	11.792						
AA1AR	SAL	161	0	12.207		W4ZGR	S	230	5.7	11.792						
N9NC	SAH	202	1	12.205		K7CS	S	98	2	11.791						
WA0MHJ	SAH	569	5.5	12.205		W5NZ	S	98	2	11.791						
VA2AM	SAH	798	7	12.202		N8TD	S	240	5.9	11.790						
K1KNQ	SAH	454	4.6	12.197		WD9CIR	S	220	5.6	11.782						
W4VIC	SAH	571	5.6	12.197		N6PM	S	123	3.1	11.780						
VA3YV	SAL	180	0.6	12.195		AD5IW	S	60	0	11.778						
K2TER	SAH	555	5.5	12.194		K4WY	S	278	6.7	11.774						
W3YY	SAH	230	1.7	12.192		N4AB	S	324	7.4	11.771						
K6MMM (KE1B, op)	SAH	195	1	12.190		K0HNC	S	135	3.6	11.770						
K9KE	SAL	245	2	12.189		N0GOS	S	79	1.3	11.768						
K3TW	SAQ	245	2	12.189		K1BUK	S	57	0	11.756						
WG9L	SAL	213	1.4	12.188		W8ARU	S	219	6	11.740						
KE0A	SAH	260	2.3	12.185		N9WVM	S	55	0	11.740						
K9DJT	SAH	284	2.7	12.183		WB2PJH	S	200	5.7	11.731						
K9JWI	SAH	192	1	12.183		AA5VU	S	53	0	11.724						
K3WI	SAH	271	2.5	12.183		NU0W	S	159	4.8	11.721						
N9AKR	SAH	283	2.7	12.182		KJ4AOM	S	148	4.5	11.720						
W2CDO	SAH	174	0.6	12.181		WB6JJJ	S	52	0	11.716						
W4DAS	SAL	371	3.9	12.179		W8ASA	S	113	3.4	11.713						
N3TWM	SAL	253	2.3	12.173		NG7A	S	195	5.8	11.710						
AD0K	SAL	148	0	12.170		K2YG	S	86	2.3	11.704						
WB8BPU	SAH	236	2.1	12.163		NN4SS	S	459	9.6	11.702						
K8BZ	SAH	167	0.6	12.163		KC2MBV	S	84	2.3	11.694						
KB9BIB	SAL	234	2.1	12.159		W7QL	S	132	4.3	11.691						
KD0EE	SAH	370	4.1	12.158		K5EMI	S	217	6.5	11.686						
W2GS	SAH	360	4	12.156		KE4R	S	96	3	11.682						
N3WT	SAL	273	2.8	12.156		W0YJT	S	151	5	11.679						
CG6LB	SAH	232	2.1	12.155		N3NZ	S	130	4.4	11.674						
W1FV	SAH	202	1.5	12.155		N6AN	S	47	0	11.672						
K4AFE	SAH	298	3.2	12.154		WQ5O	S	80	2.4	11.663						
K2RD	SAH	230	2.1	12.152		AA2TH	S	64	1.5	11.656						

K6JS	SAH	618	6.4	12.151		AB8OU	S	105	3.7	11.651						
KA8HDE	SAL	161	0.6	12.147		K4WQ	S	200	6.5	11.651						
K4HC	SAL	139	0	12.143		W0BH	S	79	2.5	11.648						
AB1XB	SAL	269	2.9	12.140		W0HBH	S	147	5.2	11.647						
W7WW (KZ7X, op)	SAH	254	2.7	12.135		NZ5O	S	199	6.6	11.639						
K4JKB	SAH	393	4.6	12.134		K0NM	S	294	8.4	11.628						
K5HDU	SAH	225	2.2	12.132		K9JWV	S	101	3.8	11.624						
W4UAT	SAH	481	5.5	12.132		NN7NN (K6XN, op)	S	42	0	11.623						
K4SV	SAH	302	3.5	12.130		NS8O	S	187	6.5	11.622						
N5CW	SAH	441	5.2	12.124		W7GB	S	195	6.7	11.620						
N3KN	SAH	206	1.9	12.124		KJ4WD	S	100	3.8	11.620						
W3YR	SAH	356	4.3	12.121		W3TMZ	S	112	4.3	11.619						
VE4GV	SAH	319	3.9	12.114		AF8C	S	122	4.7	11.616						
N1IK	SAH	579	6.5	12.113		N9NE	S	202	6.9	11.615						
K0VBU	SAL	186	1.6	12.110		NY6DX	S	358	9.4	11.614						
K3TEJ	SAH	217	2.3	12.106		WR3R	S	284	8.4	11.613						
N6VH	SAH	147	0.7	12.097		K6AJA	S	41	0	11.613						
KM1D	SAL	300	3.8	12.097		K7ULS	S	41	0	11.613						
AI6Z	SAH	227	2.6	12.096		NC6DX (K6XN, op)	S	41	0	11.613						
NG7M	SAH	266	3.3	12.095		VE3RCN	S	41	0	11.613						
W9DCA	SAH	266	3.3	12.095		WB9QAF	S	41	0	11.613						
KJ4LTA	SAL	210	2.3	12.092		KA9P	S	119	4.8	11.596						
N0BK	SAH	144	0.7	12.088		W6MZ	S	58	1.7	11.593						
N7BV	SAH	223	2.6	12.088		K3NP	S	39	0	11.591						
VE3MGY	SAL	650	7.3	12.083		K4PP	S	83	3.5	11.569						
K3MAW	SAL	142	0.7	12.082		K6DGQ	S	37	0	11.568						
N3FM	SAH	382	5	12.082		W7OQ	S	37	0	11.568						
VA3WU	SAL	119	0	12.076		AA4Q	S	56	1.8	11.568						
K8KI	SAH	259	3.4	12.073		KY0Q	S	152	6.2	11.562						
N3ZV	SAL	205	2.4	12.072		KI4FW	S	54	1.8	11.552						
K4UB	SAL	138	0.7	12.070		KN0W	S	166	6.7	11.550						
WG0M	SAH	245	3.2	12.069		W4NBS	S	35	0	11.544						
W6JBR	SAL	158	1.3	12.069		KU7Y	S	112	5.1	11.539						
K5TA	SAH	157	1.3	12.066		W2DXE	S	102	4.7	11.539						
K4GMH	SAL	202	2.4	12.065		NA5YO	S	203	7.7	11.537						
W3ZL	SAL	266	3.6	12.065		W9KHH	S	34	0	11.531						
K5DU	SAH	216	2.7	12.064		WA2JQK	S	427	11	11.530						
KG4CUY	SAL	242	3.2	12.064		WB5K	S	89	4.3	11.519						
N5ZO	SAH	185	2.1	12.057		KE8AQW	S	33	0	11.519						
WA2UBK	SAH	197	2.5	12.044		KV4AC	S	144	6.5	11.508						
W8KX	SAL	304	4.4	12.043		W7EEE	S	32	0	11.505						
N9GUN	SAH	132	0.8	12.041		N0IS	S	358	10.5	11.504						
WB4OMM	SAL	148	1.3	12.040		W0TY	S	76	3.8	11.501						
K7XC	SAH	194	2.5	12.038		W4BCG	S	76	3.8	11.501						
K7EG	SAH	291	4.3	12.034		AE6JV	S	270	9.4	11.491						
N8PW	SAH	205	2.8	12.032		N8HM	S	49	2	11.490						
NS4X	SAH	241	3.6	12.022		W6SFK	S	141	6.6	11.489						
VE7CV	SAL	230	3.4	12.022		W4NI	S	187	7.9	11.482						
VE3WG	SAL	437	6.2	12.020		N5KDA	S	268	9.5	11.478						
KY3W	SAH	229	3.4	12.020		KC0URL	S	95	5	11.478						
NO0L	SAH	275	4.2	12.019		KN7N	S	95	5	11.478						
W6KY	SAL	314	4.8	12.017		K0TC	S	30	0	11.477						
K9OR	SAL	125	0.8	12.017		KG6AO	S	140	6.7	11.476						
WB8YYY	SAL	226	3.4	12.014		KG5HI	S	73	3.9	11.473						
KX7L	SAH	123	0.8	12.010		K6RM	S	29	0	11.462						
NK8X	SAH	102	0	12.009		WB6KDH	S	29	0	11.462						
WA4RTE	SAH	370	5.6	12.008		KB5EZ	S	93	5.1	11.458						

KG5HVO	SAL	173	2.3	12.008		K9PY	S	120	6.3	11.449						
W6SR	SAH	292	4.6	12.005		N3RC	S	28	0	11.447						
N8FYL	SAL	121	0.8	12.003		W2ANQ	S	101	5.6	11.444						
K7JAN	SAL	100	0	12.000		WA4EUL	S	81	4.7	11.438						
W0AD	SAH	309	4.9	12.000		NN0JS	S	44	2.2	11.423						
KB0EO	SAH	154	1.9	11.998		K6TIG	S	26	0	11.415						
VE3XAT	SAL	232	3.7	11.995		N2IVN	S	26	0	11.415						
K2CJ	SAH	167	2.3	11.993		K2MV	S	25	0	11.398						
W3HKK	SAL	318	5.1	11.992		KE4QCM	S	25	0	11.398						
K2MK	SAH	196	3	11.992		W8DXU/4	S	25	0	11.398						
VE2ESU	SAL	195	3	11.990		K0PIR	S	42	2.3	11.393						
K4EQ	SAL	151	1.9	11.989		WA2ALY	S	96	5.9	11.392						
N4RJ	SAH	181	2.7	11.988		KE0EK	S	151	7.9	11.389						
K8MEG	SAH	193	3	11.986		W4AUB	S	95	5.9	11.388						
K3ATO	SAL	387	6.1	11.978		N3ZP	S	143	7.7	11.385						
WC3O	SAH	133	1.5	11.974		KA9A	S	24	0	11.380						
W6RA	SAL	94	0	11.973		NC4MI	S	24	0	11.380						
K9IJ	SAL	162	2.4	11.970		NZ6Q	S	120	7	11.379						
K0QC	SAL	130	1.5	11.964		KB0R	S	94	6	11.373						
N2CG	SAH	201	3.4	11.963		W5YDM	S	94	6	11.373						
AI9T	SAH	224	3.9	11.960		W9NXM	S	94	6	11.373						
N5TOO	SAL	224	3.9	11.960		N4VSD	S	103	6.4	11.373						
W3WN	SAL	333	5.7	11.952		VE6EX	S	53	3.6	11.364						
N2MUN	SAL	219	3.9	11.950		N4OO	S	40	2.4	11.362						
K8ZT	SAQ	209	3.7	11.950		N6GL	S	73	5.2	11.343						
W9IIX	SAH	88	0	11.944		K0SRL	S	22	0	11.342						
K4AOA	SAH	156	2.5	11.943		KE4D	S	22	0	11.342						
N6QQ	SAH	502	7.6	11.941		WA8OLD	S	22	0	11.342						
WA1DRQ	SAH	87	0	11.940		W1OH	S	39	2.5	11.341						
WB9G	SAL	87	0	11.940		K6NML	S	123	7.5	11.340						
K8SYH	SAL	300	5.4	11.937		K8CMO	S	129	7.9	11.321						
KC4ZA	SAQ	86	0	11.934		W3WTD	S	80	5.9	11.313						
KU9Z	SAL	226	4.2	11.934		KB7N	S	111	7.5	11.295						
KK9V	SAH	121	1.6	11.923		W7UDH	S	191	9.9	11.291						
N5MT	SAL	235	4.5	11.921		K9EA	S	92	7.1	11.254						
W1DYJ	SAL	399	6.8	11.921		N1GN	S	106	7.8	11.245						
N6NU	SAH	83	0	11.919		K8GT	S	46	4.2	11.243						
WA5LFD	SAL	212	4.1	11.916		VY1KX	S	105	7.9	11.231						
NK8Q	SAL	103	1	11.913		NJ6W	S	17	0	11.230						
ND4Y	SAH	635	8.9	11.913		W7THY	S	17	0	11.230						
AA4DD	SAH	187	3.6	11.912		AD0H	S	33	2.9	11.229						
K6PO	SAL	134	2.2	11.907		KF3G	S	45	4.3	11.223						
K1GG	SAH	100	1	11.900		KI4CBN	S	45	4.3	11.223						
N4DW	SAH	99	1	11.896		VE3DQN	S	187	10.5	11.222						
K3QF	SAL	116	1.7	11.894		WU2M	S	81	6.9	11.218						
K1KD	SAH	146	2.7	11.894		CF7MM (VA7MM, op (	S	124	8.8	11.213						
W3SFG	SAL	78	0	11.892		WA2CLX	S	96	7.7	11.212						
K5FP	SAH	194	4	11.888		W0KT	S	72	6.5	11.207						
W8PN	SAH	273	5.5	11.886		W1IS	S	137	9.3	11.207						
K1NY	SAL	193	4	11.886		K5YM	S	16	0	11.204						
K2GMY	SAQ	142	2.7	11.882		NX9Y	S	43	4.4	11.193						
K1NYK	SAH	325	6.3	11.882		K6CSL	S	108	8.5	11.183						
W3HDH	SAH	155	3.1	11.880		N3JNX	S	42	4.5	11.173						
KW3F	SAL	213	4.5	11.878		N6HI	S	61	6.2	11.165						
N5TU	SAH	262	5.4	11.878		AA7UN	S	113	8.9	11.163						
K2ZR/4 (K2ZR/4, op)	SAL	127	2.3	11.874		N2RI	S	30	3.2	11.157						
N3XL	SAH	200	4.3	11.871		W8AB	S	30	3.2	11.157						

KI8R	SAH	166	3.5	11.870		NQ4K	S	84	7.7	11.154						
AF5Q	SAL	74	0	11.869		W2BEW	S	51	5.6	11.148						
K2SD	SAH	386	7.2	11.867		K2QO	S	41	4.7	11.143						
K2DT	SAL	238	5.2	11.857		W7GSV	S	89	8.2	11.129						
NW7M	SAL	108	1.8	11.853		W8KNO	S	116	9.4	11.124						
KM4JA	SAL	284	6	11.853		KA0P	S	13	0	11.114						
K1XS	SAL	247	5.4	11.853		WV3P	S	13	0	11.114						
AF6SA	SAH	107	1.8	11.849		KK6TV	S	49	5.8	11.110						
K7BX	SAL	173	3.9	11.848		VE7BGP	S	28	3.4	11.107						
W6OAT	SAL	122	2.4	11.846		KT4XN	S	167	11.2	11.103						
K9LA	SAH	90	1.1	11.844		KD2KW	S	79	8.1	11.088						
W5PR	SAH	136	2.9	11.844		K8MJZ	S	38	5	11.080						
W1ZR	SAH	224	5.1	11.840		W0LEZ	S	56	6.7	11.078						
K4HQK	SAH	120	2.4	11.839		W1UU	S	166	11.7	11.050						
N4WO	SAL	120	2.4	11.839		K0PRT (WA2JQZ, op)	S	26	3.7	11.045						
VE3NR	SAL	68	0	11.833		WA2NYY	S	26	3.7	11.045						
N6DW (N6DW/4, op)	SAH	294	6.4	11.828		K4JLD	S	127	10.6	11.044						
WA2MBP	SAH	104	1.9	11.827		WE6C	S	82	8.9	11.024						
KF0IQ	SAH	103	1.9	11.823		N2CJN	S	45	6.3	11.023						
W4JVN	SAH	103	1.9	11.823		KD4EE	S	68	8.1	11.023						
WK4U	SAL	167	4	11.823		N5WW	S	118	10.6	11.012						
VE5SF	SAL	264	6	11.822		AF7NX	S	151	11.7	11.009						
K1VMT	SAH	564	9.3	11.821		AA6MK	S	10	0	11.000						
K2RB	SAH	603	9.6	11.820		WA2IAU	S	66	8.3	10.990						
NQ8O	SAH	281	6.3	11.819		AC2RJ	S	9	0	10.954						
K0ARY	SAH	208	5	11.818		N0MII	S	9	0	10.954						
KB8KMH	SAH	307	6.7	11.817		WA3GOS	S	9	0	10.954						
K8LF	SAL	314	6.8	11.817		NF8M	S	33	5.7	10.949						
VA3WNO	SAL	176	4.3	11.816		W4PFM	S	23	4.2	10.942						
WD8S	SAL	337	7.2	11.808		K4EZS	S	123	11.5	10.940						
AC2QH	SAL	64	0	11.806		W8MET	S	55	8.3	10.910						
K7CF	SAH	260	6.1	11.805		N0UK	S	8	0	10.903						
W4JS	SAH	152	3.8	11.802		W5XD	S	8	0	10.903						
WA1ZYX	SAL	98	2	11.791		AG2J	S	175	13.4	10.903						
KB1BMF	SAL	61	0	11.785		N6RVI	S	175	13.8	10.863						
WA7YAZ	SAL	61	0	11.785		KC2LM	S	66	9.6	10.860						
AD1L	SAL	80	1.2	11.783		NZ7M	S	59	9.2	10.851						
K1SX	SAL	96	2	11.782		VE3LMS	S	89	11	10.849						
KR6N	SAH	280	6.7	11.777		AA6VX	S	45	8.2	10.833						
KG3V	SAL	110	2.7	11.771		VE3WZ	S	37	7.5	10.818						
KB9S	SAH	79	1.3	11.768		N8RW	S	57	9.5	10.806						
WD4OHD	SAH	109	2.7	11.767		KO6LU	S	50	9.1	10.789						
KS2G	SAL	167	4.6	11.763		NV1W	S	19	5	10.779						
N2CQ	SAQ	195	5.3	11.760		N6KW	S	6	0	10.778						
W9IL	SAH	107	2.7	11.759		AF9J	S	34	8.1	10.721						
W4KTR	SAH	144	4	11.758		K9PMV	S	53	10.2	10.704						
KI4WCQ	SAH	92	2.1	11.754		K2JF	S	79	12.2	10.678						
WA9IVH	SAH	56	0	11.748		AC1AJ	S	68	11.7	10.663						
K2AL	SAQ	131	3.7	11.747		K8ALM	S	38	9.5	10.630						
NN3RP	SAH	429	8.9	11.742		WN8P	S	44	10.2	10.623						
WB9DLC	SAL	118	3.3	11.742		W2JEK	S	31	8.8	10.611						
AA2DT	SAH	55	0	11.740		WA0LIF	S	4	0	10.602						
W4QO	SAQ	55	0	11.740		K2HT	S	71	13.4	10.511						
WF3M	SAL	74	1.3	11.739		WD5R	S	65	13.3	10.483						
AB3AH	SAH	327	7.9	11.725		N5FNC (NK5G, op)	S	27	10	10.431						
KA1C	SAL	53	0	11.724		AD0AB	S	32	11.1	10.395						
N7PR (K6XN, op)	SAL	53	0	11.724		W8DW	S	52	13.3	10.386						

KT7G	SAH	160	4.8	11.724		AD8Y	S	18	10	10.255						
NU2Q	SAL	296	7.5	11.721		K7HPT	S	42	14.3	10.193						
W7WHY	SAH	87	2.2	11.720		KA6JLT	S	27	12.9	10.141						
KV1J	SAH	52	0	11.716		AE6XC	S	21	12.5	10.072						
K1NZ	SAL	52	0	11.716		WA4ZOF	S	29	14.7	9.992						
VE7NY	SAH	698	11.3	11.714		KG4BBK	S	19	13.6	9.919						
NJ4Q	SAL	212	6.2	11.706		AC8AZ	S	16	15.8	9.624						
AE7U	SAL	99	2.9	11.706		WH6YH/W4 (WH6YH,	S	33	82.6	3.259						
N7DXT	SAH	202	6	11.705												
W4HVH	SAL	86	2.3	11.704												
AC9KW	SAH	282	7.5	11.700												
W1RH	SAH	50	0	11.699												
WD0GTY	SAL	50	0	11.699												
WX5CW	SAL	50	0	11.699												
KA9O	SAL	228	6.6	11.698												
W4JAM	SAH	193	5.9	11.696												
KA8G	SAH	375	8.8	11.694												
K2OID	SAH	163	5.2	11.692												
KB7TMV	SAL	48	0	11.681												
VA3NGE	SAL	48	0	11.681												
K0KT	SAH	141	4.7	11.679												
N3UA	SAL	120	4	11.679												
KB3MP	SAL	197	6.2	11.674												
AB0TO	SAL	47	0	11.672												
W2JC	SAL	246	7.2	11.671												
K0PFZ	SAL	46	0	11.663												
WW2PT	SAL	64	1.5	11.656												
W4WNT	SAL	157	5.4	11.656												
AA2VG	SAH	45	0	11.653												
K2UR	SAH	45	0	11.653												
W3OD	SAH	44	0	11.643												
KF8BT	SAL	44	0	11.643												
K0BX	SAH	155	5.5	11.640												
W8YV	SAH	154	5.5	11.638												
W0BF	SAL	90	3.2	11.634												
W4LSV	SAL	43	0	11.633												
W7PV	SAH	163	5.8	11.632												
K9IA	SAL	242	7.6	11.624												
KI6QDH	SAL	187	6.5	11.622												
N1MGO	SAH	123	4.7	11.620												
K0XB/6 (K0XB/6, op)	SAL	123	4.7	11.620												
VE9CB	SAH	99	3.9	11.606												
W7FSL	SAH	98	3.9	11.601												
K7OX	SAL	228	7.7	11.588												
K0CD	SAL	97	4	11.587												
VE3PJ	SAL	336	9.4	11.586												
NB3I	SAH	57	1.7	11.586												
W7VXS	SAL	84	3.4	11.584												
K7ZYV	SAL	96	4	11.582												
W6XK	SAH	71	2.7	11.581												
K6GFJ	SAH	38	0	11.580												
K2RK	SAL	232	7.9	11.575												
AB4IQ	SAH	171	6.6	11.573												
WO7R	SAH	37	0	11.568												
AD0FB	SAL	37	0	11.568												
NI5L	SAH	70	2.8	11.565												
AC7JM	SAL	70	2.8	11.565												

KB9O	SAL	82	3.5	11.564												
KC5CMX	SAL	124	5.3	11.563												
WF4U	SAH	69	2.8	11.559												
WU6C	SAH	547	11.8	11.558												
AB9M	SAH	36	0	11.556												
VE100VIMY/VE7 (VA7K	SAH	36	0	11.556												
WA1ZAM	SAL	36	0	11.556												
NV1Q	SAH	103	4.6	11.553												
AD4IE	SAH	234	8.2	11.549												
KG1D	SAH	122	5.4	11.546												
K0ZX	SAH	157	6.5	11.546												
AA9HQ	SAL	120	5.5	11.529												
N6GEO	SAL	162	6.9	11.520												
VE7AHT	SAL	51	1.9	11.518												
N3LBJ	SAH	99	4.8	11.516												
K6CTA	SAL	127	5.9	11.514												
W7PP	SAL	168	7.2	11.505												
NF1A	SAH	32	0	11.505												
AF6N	SAL	87	4.4	11.500												
WF5K	SAH	369	10.7	11.497												
W4OEP	SAL	133	6.3	11.494												
N1DN	SAL	196	8	11.492												
K8TS	SAL	31	0	11.491												
WK1J	SAH	234	8.9	11.479												
N9LF	SAL	95	5	11.478												
KT9L	SAH	114	5.8	11.477												
W4LSC	SAH	171	7.6	11.473												
ND4X	SAL	336	10.6	11.466												
K0TLG	SAL	29	0	11.462												
WJ1B	SAH	384	11.3	11.454												
KB2GD	SAL	28	0	11.447												
W6UB	SAH	266	9.8	11.445												
W6VMW	SAL	127	6.6	11.444												
N9BT	SAL	58	3.3	11.433												
VE6NS	SAL	58	3.3	11.433												
KW9U	SAL	27	0	11.431												
K3WGR	SAH	231	9.4	11.424												
NS3L	SAH	44	2.2	11.423												
KD4S	SAL	156	7.7	11.423												
NT4TS	SAH	272	10.2	11.415												
W2VM	SAL	154	7.8	11.408												
K2MFY	SAL	131	7.1	11.407												
K6AAB	SAL	88	5.4	11.404												
KE1F	SAH	77	4.9	11.396												
N6BHX	SAL	42	2.3	11.393												
K7JFD	SAL	55	3.5	11.390												
N8GAS	SAH	128	7.2	11.387												
N6DZR	SAL	24	0	11.380												
W0GUY	SAH	94	6	11.373												
CG6UX	SAH	118	7.1	11.362												
AC0E	SAL	23	0	11.362												
VA3MQS	SAL	23	0	11.362												
VE7KCY	SAL	23	0	11.362												
AB9CD	SAH	154	8.3	11.358												
N5VR	SAH	125	7.4	11.357												
K4KAY	SAH	310	11.4	11.351												
KB0KFX	SAQ	52	3.7	11.346												

K8LY	SAL	462	13.2	11.345												
NF3R	SAH	217	10	11.336												
KV4RH	SAL	62	4.6	11.332												
WR3Y	SAL	62	4.6	11.332												
WM5F	SAL	21	0	11.322												
W3IDT	SAL	282	11.3	11.320												
N6MW	SAH	38	2.6	11.320												
WM9Q	SAH	89	6.3	11.319												
AK0MR	SAL	50	3.8	11.319												
W8AN	SAL	70	5.4	11.305												
N6JNL	SAL	96	6.8	11.302												
W8HMK	SAH	20	0	11.301												
W1TR	SAH	78	6	11.292												
KD5M	SAH	69	5.5	11.289												
AA1SU	SAH	36	2.7	11.286												
W0SHL	SAH	19	0	11.279												
W0ZQ	SAH	58	4.9	11.273												
K5TRI	SAL	68	5.6	11.273												
W1KQ	SAH	93	7	11.268												
VE3HEU	SAL	93	7	11.268												
W4BW	SAL	67	5.6	11.266												
AC9EZ	SAL	47	4.1	11.262												
N5NAA	SAL	121	8.3	11.253												
WR7Q	SAH	209	10.7	11.250												
KG5VK	SAH	114	8.1	11.247												
AA1O	SAH	127	8.6	11.244												
K0AE	SAL	65	5.8	11.233												
KD6WKY	SAL	33	2.9	11.229												
K6NV	SAH	264	12	11.222												
WX2S	SAH	16	0	11.204												
W9OSI	SAH	188	10.9	11.184												
K9SE	SAH	62	6.1	11.182												
W2DLH	SAL	31	3.1	11.181												
AD5XD	SAH	296	12.9	11.181												
W0LM	SAL	15	0	11.176												
NQ5K (W5ASP, op)	SAH	92	8	11.164												
K1IG	SAL	76	7.3	11.151												
KR4AE	SAQ	251	12.5	11.150												
K1FR	SAL	60	6.3	11.148												
K7AZT	SAL	51	5.6	11.148												
K5WO	SAL	29	3.3	11.132												
AD4YQ	SAL	110	9.1	11.131												
W6AWW	SAL	40	4.8	11.122												
VE3SKX	SAL	66	7	11.120												
N4ARO	SAL	74	7.5	11.119												
K6LE	SAL	13	0	11.114												
KJ0P	SAL	49	5.8	11.110												
N9KY	SAL	28	3.4	11.107												
K6RR	SAH	376	14.7	11.105												
KR2E	SAL	80	8	11.103												
N4FY	SAH	48	5.9	11.091												
WA7AXT	SAL	47	6	11.072												
K3BHX	SAH	152	11.1	11.072												
VE3QN	SAL	91	9	11.059												
VE3JDF/W4	SAH	128	10.5	11.057												
N2RJ	SAH	26	3.7	11.045												
W5GFI	SAH	26	3.7	11.045												

AB1YD	SAL	26	3.7	11.045												
W6GMT (BROCK(W6GN	SAL	54	6.9	11.042												
W3EH	SAL	11	0	11.041												
K1DJ	SAL	36	5.3	11.026												
KK7X	SAL	141	11.3	11.019												
AA8TA	SAL	94	9.6	11.013												
W7SLS	SAH	112	10.4	11.009												
KG5LVT	SAL	10	0	11.000												
CF2CZ (VA2CZ, op)	SAQ	10	0	11.000												
K3MSB	SAH	66	8.3	10.990												
KX4TT	SAH	194	13	10.988												
WU9B	SAH	24	4	10.980												
KK9JEF	SAL	51	7.3	10.978												
VE2DSB	SAH	196	13.3	10.962												
K3RMB	SAH	50	7.4	10.959												
KE8EAS	SAL	42	6.7	10.953												
W4PF	SAH	96	10.3	10.952												
WB5OZA	SAL	107	10.8	10.949												
VE9WH	SAL	83	9.8	10.939												
VE9BWK	SAQ	8	0	10.903												
K6CTW	SAL	40	7	10.902												
W2XO	SAH	92	10.7	10.894												
K7MK	SAL	47	7.8	10.892												
CF7JC	SAL	74	9.8	10.889												
AA5AU	SAH	21	4.5	10.872												
NC9W	SAL	66	9.6	10.860												
N3HEE	SAL	38	7.3	10.850												
W4EAB	SAH	30	6.3	10.847												
KA7T	SAH	52	8.8	10.836												
KB0HP	SAL	52	8.8	10.836												
NT5I	SAL	45	8.2	10.833												
K9MCK	SAL	37	7.5	10.818												
KM4FRM	SAL	51	8.9	10.818												
KD0PZ (N0KQ, op)	SAL	29	6.5	10.812												
WB7QMR	SAL	57	9.5	10.806												
W4JUU	SAL	91	11.7	10.789												
K0JV	SAH	19	5	10.779												
K7JNA	SAL	6	0	10.778												
K0GUZ	SAQ	6	0	10.778												
KM6I	SAH	28	6.7	10.777												
VE3MM	SAH	49	9.3	10.760												
KD6X	SAH	35	7.9	10.754												
K4MIL	SAL	54	10	10.732												
KD1YV	SAL	100	13	10.700												
K2BB	SAL	5	0	10.699												
W6RD	SAH	93	13.1	10.658												
W9RN	SAH	38	9.5	10.630												
NG1R	SAL	61	11.6	10.625												
W0SEI	SAL	76	12.6	10.621												
K9OZ	SAH	55	11.3	10.610												
K4ZRJ	SAH	37	9.8	10.588												
WV2M	SAH	23	8	10.562												
4U1WB (AJ3M, op)	SAH	119	15.6	10.516												
K5CAO	SAL	22	8.3	10.512												
WB8BZK	SAL	34	10.5	10.481												
KG9Z	SAH	14	6.7	10.476												
NK9I	SAQ	21	8.7	10.452												

VE3JSQ	SAL	44	12	10.443												
AD7ND	SAH	43	12.2	10.413												
W0GN	SAL	66	14.3	10.390												
K9KEU	SAH	52	13.3	10.386												
NA1DX	SAH	74	14.9	10.379												
KC2LSD	SAH	41	12.8	10.333												
NB4F	SAL	19	9.5	10.329												
K0TNT	SAL	40	13	10.302												
KK7L	SAL	2	0	10.301												
AG2T	SAL	24	11.1	10.270												
K3PA	SAH	25	11.5	10.248												
KB7KYK	SAL	38	13.6	10.220												
K7PAX	SAL	17	10.5	10.180												
K7CW	SAH	21	12.5	10.072												
W5WZ	SAH	37	15.9	9.978												
K4BGV	SAH	9	10	9.954												
VE6CSX	SAL	9	10	9.954												
N3ED	SAH	465	27.6	9.907												
KC2LRC	SAH	22	15.4	9.802												
WD1S	SAL	13	30.8	8.034												