

COMBINED RESULTS  
REST OF THE WORLD

For overall statistics, please see the covering email.

Reporters:

CAN BC	to	Tom Mitchell, Comox, Vancouver Island	<b>Listeners were invited to :</b>
CAN ON	ku	Marc Kulbacki, Windsor	
HWA	mx	Mike Tuggle, Kaneohe, Hawaii	"Make a Pyramid by logging beacons from 19 different radio countries
USA AZ	bc	Bob Coomler, Tucson	of your choice, as follows:
USA CA	dn	Don Tomkinson, Upland	
USA CA	ir	Iden Rogers, Nr Grass Valley, 50 mi NNE of Sacramento	10 different NDBs from the country at the bottom of the pyramid
USA CO	ac	Anthony Casorso, Westminster	9 NDBs from the next radio country
USA MO	dp	Dick Palmer, Foristell	X 8 NDBs from the third, etc. - - - all the way to:
USA NC	dw	Don Ward, Raleigh, NC	X 2 NDBs from the ninth country at the top of the pyramid.
USA NH	jc	John Collins, Charlestown	X
USA OR	mc	Mark McCarthy, Portland	X Finally your pyramid needs a vertical aerial on top!
USA OR	sr	Steve Ratzlaff, Near La Grande, NE Oregon	X That is made by logging 10 more NDBs, each one from
USA TX	ch	Chuck Dobbins, Alpine	X yet another different radio country.
USA TX	du	Douglas Springfield, New Chapel Hill, NE Tex	X
USA UT	mu	Mark Moulding, Ogden, Northern UT	X If you reach size 10, there is no need to stop there - you could
USA WA	de	Dan Petersen, Vancouver, WA	X go on and try to build your pyramid bigger by adding more loggings."
USA WA	rt	Tom Rothlisberger, Brier	X

For full details, please see the individual reporters' logs,  
as previously posted by them to the List.  
If you spot an omission or problem in your own details below  
please let me know ( ndbcle'at'gmail.com  
- replace the 'at' by an 'at' symbol)

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**PYRAMIDS SUMMARY:**

**This table summarises each listener's results - aerial height, pyramid size and the radio countries at each level.**

E.g. Tom's column ('to') shows that 3 NDBs in Texas were logged at level 3 in his size 15 pyramid.  
The aerial height (countries with one NDB logged) should be the same as the pyramid base size, where possible.  
The gaps in the table are where the program did not find that number of loggings for a radio country.  
This may have arisen where a listener showed two loggings of the same NDB,  
or where a listener had allocated an NDB to the wrong radio country, etc.  
The 'missing' country may then share the same count as the country above or below it.

Aerial Height  
Pyramid Size

No. of NDBs	CAN BC to	CAN ON ku	HWA mx	USA AZ bc	USA CA dn	USA CA ir	USA CO ac	USA MO dp	USA NC dw	USA NH jc	USA OR mc	USA OR sr	USA TX ch	USA TX du	USA UT mu	USA WA de	USA WA rt	No. of NDBs
	15	16	8	15	9	15	22	27	29	21	17	12	16	11	17	4	17	
	15	16	8	15	2	15	22	27	29	20	17	12	16	11	17	3	17	
2	HWA	WI	NU	GA	HWA	NE	FL	IA	POR	BRA	AZ	HWA	CYM	ALS	ND	CA	CO	2
3	TX	OK	ON	MS		MN	CA	NM	CLM	CLM	TX	ND	CA	CHL	NU	BC	TX	3
4	WY	AR	QC	LA		OK	NU	WY	GRL	TX	CO	TX	MT	AB	ALS		IA	4
5	YT	FL	NT	AR		QC	ND	NL	BRA	PA	WY	OR	KS	EQA	MN		QC	5
6	OK	MB	MB	KS		TX	WY	ND	SK	SC	QC	MN	NT	NU	QC		MN	6
7	ID	MO	ALS	SK		SK	QC	SC	NU	IN	NU	LA	MO	QC	TX		CA	7
8	OR	IL	BC	AZ		MB	MO	AL	AB	IA	CA	CA	NE	CLM	OR		NE	8
9	MB	NC		NM		OR	LA	FL	BC	NS	ID	ID	AB	BRA	WY		OR	9
10	WA	TN		MT		WA	MT	MS	MA	NB	OR	ALS	SK	NL	CA		ID	10
11	MT	GA		CA		MT	CO	AR	MO	MI	MB	QC	NU	BC	NE		WA	11
12	SK	IN		BC		CA	BC	NU	NE	ME	MT	MT	BC		MB		AB	12
13	ALS	MI		ON		ON	IA	NC	NY	VA	SK		QC		ON		MB	13
14	AB	OH		OK		BC	TX	TN	IN	GA	ON		ON		SK		MT	14
15	BC	QC		TX		AB	OK	LA	KS	OH	ALS		MB		MT		BC	15
16		ON					MN	MI	MI	QC	WA		TX		BC		SK	16
17							AB	SK	TN	MA	AB				AB		ALS	17
18							SK	BC	WI	ON								18
19							KS	AB	MB	NY								19
20							MB	OK	VA	NC								20
21							NE	OH	OH									21
22							ON	GA	SC									22
23								NE	TX									23
24								TX	IL									24
25								WI	MN									25
26								MB	NC									26
27								IL	GA									27
28									QC									28
29									ON									29
No. of NDBs	CAN BC to	CAN ON ku	HWA mx	USA AZ bc	USA CA dn	USA CA ir	USA CO ac	USA MO dp	USA NC dw	USA NH jc	USA OR mc	USA OR sr	USA TX ch	USA TX du	USA UT mu	USA WA de	USA WA rt	No. of NDBs

## COUNTRIES and STATES / PROVINCES HEARD:

Shows the number of NDBs in each radio country that were logged by each reporter.

Cou	Country	St	CAN BC to	CAN ON ku	HWA mx	USA AZ bc	USA CA dn	USA CA ir	USA CO ac	USA MO dp	USA NC dw	USA NH jc	USA OR mc	USA OR sr	USA TX ch	USA TX du	USA UT mu	USA WA de	USA WA rt
AIA	Anguilla	-														1			
ALS	Alaska (US State)	-	13		7	1	1						15	10		2	4		17
ATG	Antigua and Barbuda	-									1	1							
ATN	Netherlands Antilles	-									1								
BAH	Bahamas	-	1						1	1	1	1		1	1				
BLZ	Belize	-									1								
BRA	Brasil	-									5	2				9			
CAN	Canada	AB	14					15	17	19	8		17		9	4	17		12
CAN	Canada	BC	15		8	12		14	12	18	9				12	11	16	3	15
CAN	Canada	MB	9	6	6			8	20	26	19	1	11		15		12		13
CAN	Canada	NB		1						1		10		1					
CAN	Canada	NL				1			1	5				1		10			
CAN	Canada	NS		1						1		9							
CAN	Canada	NT	1		5	1		1	1	1			1	1	6	1	1	1	1
CAN	Canada	NU	1	1	2			1	4	12	7		7	1	11	6	3		1
CAN	Canada	ON	1	16	3	13		13	22	1	29	18	14		14		13		
CAN	Canada	PE		1						1	1				1				
CAN	Canada	QC		15	4			5	7	1	28	16	6	11	13	7	6		5
CAN	Canada	SK	12		1	7		7	18	17	6		13		10		14		16
CAN	Canada	YT	5					1					1			1	1		1
CHL	Chile	-														3			
CKS	Cook Is.(Southern)	-					1												
CLM	Colombia	-				1				1	3	3							
CPV	Cape Verde Is.	-									1					1			
CUB	Cuba	-							1	1		1			1				
CYM	Cayman Is.	-	1	1	1	1				1	1	1		1	2		1		1
DMA	Dominica	-								1	1					1			
EQA	Ecuador	-									1	1				5			
FSM	Micronesia	-					1							1					
GDL	Guadeloupe	-										1				1			
GRD	Grenada	-										1				1			
GRL	Greenland	-									4	1							
GTM	Guatemala	-									1								
GUF	French Guyana	-									1								
HWA	Hawaii (US State)	-	2				2	1	1				1	2	1	1	1		1

INS	Indonesia	-		1														
MDR	Madeira	-						1										
MEX	Mexico	-					1	1								1		
MHL	Marshall Is.	-			2													
MRT	Martinique	-							1	1								
MTS	Minami Tori Shima	-									1	1						
POR	Portugal	-							2									
PRU	Peru	-														1		
PTR	Puerto Rico	-	1	1	1		1	1	1	1	1	1	1		1	1		1
SCN	St Kitts-Nevis	-														1		
SLM	Solomon Is.	-		1														
SLV	El Salvador	-							1									
SMA	Samoa, American	-			1													
SPM	St Pierre et Miquelon	-								1								
TCA	Turks & Caicos Is.	-								1								
TRD	Trinidad & Tobago	-							1							1		
TUA	Tuamotu Archipelago	-			1													
USA	USA	AL	1		1				8		1			1				
USA	USA	AR	4		5			1	11				1					
USA	USA	AZ	1		8	1		1	1	1		2		1				1
USA	USA	CA			11	1	12	3	1	1		8	8	3		10	2	7
USA	USA	CO	1				1	11	1			4		1		1		2
USA	USA	CT								1	1							
USA	USA	DE								1	1							
USA	USA	FL		5			1	2	9					1		1		
USA	USA	GA		11		2			22	27	14		1					
USA	USA	IA	1				1	13	2		8	1		1				4
USA	USA	ID	7		1			1	1	1		9	9			1	1	10
USA	USA	IL		8				1	27	24								
USA	USA	IN		12				1	1	14	7							
USA	USA	KS	1	1		6	1	19	1	15	1	1		5		1		1
USA	USA	KY		1					1									
USA	USA	LA			4			9	15				7	1				
USA	USA	MA								10	17							
USA	USA	MD							2		1							
USA	USA	ME									12							
USA	USA	MI		13				1	16	16	11							1
USA	USA	MN	1	1	1	1	3	16	27	25		1	6			5		6
USA	USA	MO		7		1		8	1	11		1		7		1		
USA	USA	MS		1		3	1	1	10					1				
USA	USA	MT	11			10	11	10	1			12	12	4		15	1	14
USA	USA	NC	1	9			1	1	13	26	20	1		1		1		1
USA	USA	ND	1			1	1	5	6			1	3			2		1
USA	USA	NE	1			1	2	21	23	12		1		8		11		8







ALS	-	414	IME	Sitka	7	10													6
ALS	-	525	ICW	Nenana	7	10			8				8	5			11	11	6
ALS	-	529	SQM	Level Island															6
ATG	-	369	ZDX	St Johns							8	5							
ATN	-	284	PJD	St Maarten							1								
BAH	-	376	ZIN	Matthew Town Gt Inagua	9				8	9	9	6		7	11				
BLZ	-	392	BZE	Belize City							9								
BRA	-	210	PCI	Pici Fortaleza (CE)														4	
BRA	-	220	TUI	Tucuruí (PA)														3	
BRA	-	225	PRR	Presidente Prudente (SP)														2	
BRA	-	235	URT	Uruburetama (CE)								6						4	
BRA	-	250	YUB	Itaituba (PA)														7	
BRA	-	285	CUA	Carauari														2	
BRA	-	285	DOU	Dourados (MS)							6							5	
BRA	-	285	MOZ	Porto de Moz (PA)														4	
BRA	-	325	PAF	Paulo Afonso							5								
BRA	-	330	CNA	Carolina (MA)							6								
BRA	-	340	OIA	Oiapoque (AP)							4								
BRA	-	360	JAC	Jacare a Canga (PA)							7							5	
BRA	-	405	BVI	Boa Vista (RR)								5							
CAN	AB	201	ZXD	Edmonton Blatchford	8								9						11
CAN	AB	207	PY	Fort Chipewyan									9						11
CAN	AB	215	ZAB	Edmonton	8								13						
CAN	AB	221	QU	Grand Prairie	8				7		9		8					14	11
CAN	AB	227	9X	Brooks							11								
CAN	AB	230	VG	Vermillion	8					20		9	13		11			8	21
CAN	AB	233	7V	Jasper Hinton															11
CAN	AB	234	3Y	Donnelly									8						
CAN	AB	239	OJ	High Level					3	23	12	5	10		11	3	8		
CAN	AB	241	YLL	Lloydminster						23			10		11				
CAN	AB	248	QL	Lethbridge	8					23			9					9	6
CAN	AB	254	SM	Fort Smith									9			3			
CAN	AB	254	ZYC	Calgary					5	23	0						9		
CAN	AB	266	XD	Edmonton					3	23	0	7			11				
CAN	AB	272	YLB	Lac La Biche						23	12	7							
CAN	AB	274	Z5	Vulcan	8					23	8								
CAN	AB	287	PE	Peace River					6		7		9		11				
CAN	AB	292	ZET	Edmonton							2		9						7
CAN	AB	295	8C	Fairview	8						2								7
CAN	AB	299	TV	Turner Valley							12						9		7



CAN	AB	305	Z1	Three Hills	8													
CAN	AB	307	M5	Manning	8													
CAN	AB	308	ZZD	Edmonton						8								
CAN	AB	311	9Y	Pincher Creek						8	8						9	
CAN	AB	320	YQF	Red Deer	8				4		6	8					9	
CAN	AB	329	X2	Athabasca	8													
CAN	AB	332	XH	Medicine Hat	8				3			8					9	
CAN	AB	334	P2	Wetaskiwin	8						8						9	
CAN	AB	338	ZU	Whitecourt	8				5			8						
CAN	AB	343	YZH	Slave Lake					5	0	10					11		
CAN	AB	344	YC	Calgary						0	12					11		7
CAN	AB	344	YOP	Rainbow Lake														
CAN	AB	353	5F	Fox Creek					1					6				
CAN	AB	361	E3	Wabasca					4	10								
CAN	AB	362	6T	Foremost													7	
CAN	AB	385	3M	Drayton Valley						10								8
CAN	AB	388	3Z	Taber							10			5			8	
CAN	AB	388	JW	Pigeon Jumping Pnd Crk					6	23	10			7		11	8	
CAN	AB	388	MM	Fort McMurray					6	23				5		11	8	21
CAN	AB	393	8N	Edson					5									
CAN	AB	398	YOD	Cold Lake						9							8	8
CAN	AB	405	9G	Sundre					7	9				4			8	
CAN	AB	414	8M	Elk Point						10								
CAN	BC	200	UAB	Anahim Lake					8		11	9					1	8
CAN	BC	200	YDL	Dease Lake							11						11	
CAN	BC	203	YBL	Campbell River							6						13	21
CAN	BC	203	ZKI	Kitimat							1						9	13
CAN	BC	206	EF	Castlegar Champion													13	
CAN	BC	214	LU	Abbotsford			5				9				10		8	4
CAN	BC	218	PR	Prince Rupert Digby Is.	7				8									
CAN	BC	223	YKA	Kamloops					7			3					8	
CAN	BC	227	CG	Castlegar	7		5			23	12	8			10		8	
CAN	BC	230	YD	Smithers					7								9	14
CAN	BC	236	YZA	Ashcroft			5				7	9					8	
CAN	BC	240	M9	Smithers													8	
CAN	BC	242	XC	Cranbrook	7		10	5		20	7	9					8	
CAN	BC	242	ZT	Port Hardy								6			10		10	20
CAN	BC	245	HE	Hope	7			5									8	
CAN	BC	251	YCD	Nanaimo				5			11	4					9	
CAN	BC	257	LW	Kelowna	7		9			23					10		9	

CAN BC	260	YSQ	Atlin			15								10			20
CAN BC	269	YK	Castlegar							8				10		9	
CAN BC	272	XS	Prince George	7		15			6			7			3	9	
CAN BC	290	YYF	Penticton	7			5				7	7				9	
CAN BC	293	MB	Mill Bay														21
CAN BC	312	UNT	Naramata Penticton								6						21
CAN BC	325	YJQ	Bella Bella Campbell Is.						5								
CAN BC	326	DC	Princeton	7										10			21
CAN BC	326	XJ	Fort St John			9									5		
CAN BC	332	WC	Abbotsford White Rock														20
CAN BC	332	XT	Terrace	7													
CAN BC	344	XX	Abbotsford											10			
CAN BC	350	NY	Enderby	7		9	6		1	10	10			10			
CAN BC	356	ON	Penticton Okanagan														21
CAN BC	359	YAZ	Tofino						1								20
CAN BC	359	YQZ	Quesnel	7			6			9	10						21
CAN BC	368	SX	Skookum Cranbrook							9	10			10			
CAN BC	368	ZP	Sandspit				6		1	9	10			10	4		
CAN BC	368	ZVR	Vancouver														21
CAN BC	374	EX	Kelowna Rutland	7		10	5			9				10			21
CAN BC	382	YE	Fort Nelson			9			6								
CAN BC	382	YPW	Powell River														20
CAN BC	385	WL	Williams Lake	7			5		1	10	10					4	21
CAN BC	389	YWB	Kelowna	7						9	11						21
CAN BC	391	TK	Telkwa Smithers						3								
CAN BC	394	DQ	Dawson Creek						2	9					4		
CAN BC	400	QQ	Comox	7					2	10						3	
CAN MB	207	YNE	Norway House						8	20	6	5		9	11	8	
CAN MB	212	YGX	Gillam		8				8	20	11	7	5	7	11		8
CAN MB	215	ZWW	Winnipeg								11						
CAN MB	224	DN	Dauphin							20	0	8		8	11		8
CAN MB	233	BR	Brandon								11	3		9		8	
CAN MB	244	TH	Thompson	8	10	9			7	20	11	4		9	11	8	8
CAN MB	248	WG	Winnipeg	8	7	9			4	20	11	8		9	2	9	8
CAN MB	250	FO	Flin Flon			12				20	11	8		9	11	9	7
CAN MB	263	3Z	Russel												11		
CAN MB	269	UDE	Delta	8						20	12	4		6		9	
CAN MB	275	AV	Winnipeg St Andrews								12	7					
CAN MB	276	ZTH	Thompson								12	4			11		
CAN MB	280	4B	Little Grand Rapids								12	7					



CAN NS	206	QI	Yarmouth		5							5						
CAN NS	220	Y9	Digby							6		5						
CAN NS	229	PD	Port Hawkesbury									5						
CAN NS	263	QY	Sydney (Cp. Breton Is)									23						
CAN NS	266	YZX	Greenwood									23						
CAN NS	338	5Y	Trenton									5						
CAN NS	341	GF	Aylesford Greenwood									21						
CAN NS	364	ZHZ	Halifax									23						
CAN NS	385	ZNS	Halifax									23						
CAN NT	222	WY	Wrigley											10				
CAN NT	254	EV	Inuvik			16								11	10	11		
CAN NT	274	FR	Fort Resolution											10			7	
CAN NT	321	YSY	Sachs Harbour			9												
CAN NT	326	VQ	Norman Wells			10												
CAN NT	356	ZF	Yellowknife			9			10	12				10				
CAN NT	361	HI	Holman Is.											11				
CAN NT	375	FS	Fort Simpson	8		9	7		6			5		10			8	
CAN NT	380	YUB	Tuktoyaktuk										14					
CAN NU	204	YFY	Iqaluit Frobisher Bay							11	9			10	2			
CAN NU	208	YSK	Sanikiluaq							11	10		9					
CAN NU	214	YIO	Pond Inlet							9				11	7			
CAN NU	224	BK	Baker Lake												11			
CAN NU	241	YGT	Igloolik								11				11			
CAN NU	245	CB	Cambridge Bay			15			23	11			9		10	10	4	
CAN NU	256	YCY	Clyde River							9					11			
CAN NU	256	YXN	Whale Cove							9								
CAN NU	263	YBB	Kugaaruk Pelly Bay								9		7		11			
CAN NU	277	YLC	Kimmirut							12	7				11	4		
CAN NU	284	RT	Rankin Inlet								7							
CAN NU	290	YYH	Taloyoak							12					11			
CAN NU	329	YEK	Arviat					6	0	12	7		7		10		9	
CAN NU	335	YUT	Repulse Bay															7
CAN NU	350	RB	Resolute Bay		9						12							
CAN NU	362	YZS	Coral Harbour			9				10	12				10			
CAN NU	365	YGZ	Grise Fjord	9									9	14				
CAN NU	372	YCO	Kugluktuk										5					
CAN NU	378	UX	Hall Beach							10	11			7		10		12
CAN ON	200	YAQ	Kasabonika								10							
CAN ON	201	YKX	Kirkland Lake								3	5						
CAN ON	201	YVZ	Deer Lake								5							



CAN	ON	341	YYU	Kapuskasing		6				9						11			
CAN	ON	346	YXL	Sioux Lookout			10			5	20					6			7
CAN	ON	350	D7	Kincardine		10													
CAN	ON	353	QG	Windsor Saint Clair							9								
CAN	ON	355	YWP	Webequie				6		5	9				6				
CAN	ON	362	SB	Sudbury		5				4	9								
CAN	ON	368	ZYZ	Toronto							10								
CAN	ON	376	YAG	Fort Frances				6		6					8			8	
CAN	ON	382	XU	London		15													
CAN	ON	382	YPL	Pickle Lake							21						3		8
CAN	ON	388	H7	Manitoulin East		14													
CAN	ON	399	ZHD	Dryden							23								8
CAN	ON	401	YPO	Peawanuck					7	6	9				8				
CAN	ON	409	YTA	Pembroke													3		
CAN	ON	413	YHD	Dryden			10				21				6				
CAN	ON	516	YWA	Petawawa		7													
CAN	PE	254	5B	Summerside		10					0	5					11		
CAN	QC	201	GL	La Grande Riviere								5	5				3		
CAN	QC	201	RI	Riviere Du Loup								3	5						
CAN	QC	205	YRQ	Trois Rivieres								3	5						
CAN	QC	209	MT	Chibougamau								3	4						
CAN	QC	213	YRC	Chicoutimi St Honore								6	5						
CAN	QC	214	K8	Nemiscau								8	5						
CAN	QC	216	ME	Matane								4	5						
CAN	QC	218	YUY	Rouyn Noranda		9						7	5						
CAN	QC	219	W7	Pabok Du Rocher Perce								4							
CAN	QC	220	BX	Blanc Sablon								4	5		5			2	
CAN	QC	221	YAS	Kangirsuk							12	10	5					7	
CAN	QC	225	YIK	Ivujivik														7	
CAN	QC	230	QB	Quebec								8	5						
CAN	QC	230	YBM	St Bruno de Guigues								8	5						
CAN	QC	232	GP	Gaspé								4	5						
CAN	QC	235	9H	La Grande 3								4	6						
CAN	QC	239	5Q	Fontanges									5						
CAN	QC	243	YVB	Bonaventure								4	6		6	3			
CAN	QC	244	DG	Chute de Passes								4							
CAN	QC	248	UL	Montreal								3							
CAN	QC	250	UAC	Poste Montagnais								7							
CAN	QC	253	YTF	Alma								9							
CAN	QC	260	UFX	St Felix de Valois								7							



CAN	SK	337	7D	Hudson Bay	8					9	9	7							8
CAN	SK	347	PA	Prince Albert	8				6	21	9							12	8
CAN	SK	356	ZXE	Saskatoon			6			10	11			13				11	
CAN	SK	368	VX	Dafoe						9	12			12		11			8
CAN	SK	372	ZPA	Prince Albert	8					9	7			10					8
CAN	SK	375	BD	Moose Jaw Baildon	9									5					8
CAN	SK	379	YBE	Uranium City	8	10	6		6	9	10			5					
CAN	SK	384	3F	Ile a La Crosse						9		4							
CAN	SK	385	QV	Yorkton						21	13					11			
CAN	SK	391	D9	Melfort															8
CAN	SK	397	ZSS	Saskatoon	8				6	9				8				8	
CAN	SK	398	3D	Cumberland House	8					5								8	
CAN	SK	402	M3	Kindersley						10				4					
CAN	SK	406	YLJ	Meadow Lake	8				7	22	12			4		11		8	
CAN	SK	410	6Z	La Loche	8					9									
CAN	SK	414	ZRG	Regina	9		7									11		8	
CAN	YT	248	QH	Watson Lake	9														
CAN	YT	269	ZW	Teslin													9		
CAN	YT	329	PJ	Whitehorse	9												11		
CAN	YT	341	DB	Burwash	9				5					7					
CAN	YT	365	MA	Mayo	9														
CAN	YT	378	ZFA	Faro	9														7
CHL	-	227	CLD	Caldera														5	
CHL	-	240	MJL	Mejillones														9	
CHL	-	355	SNO	Santo Domingo														6	
CKS	-	352	RG	Nikau Rarotonga				13											
CLM	-	210	CLO	Cali			5				12							0	
CLM	-	225	EPO	El Paso														6	
CLM	-	330	SIS	Puerto Asis								7							
CLM	-	340	BOG	Bogata									5					1	
CLM	-	355	SOG	Sogamoso								7						5	
CLM	-	385	ARA	Araracuara														5	
CLM	-	388	SVA	Saravena														5	
CLM	-	400	PIE	Piedecuestra								8						1	
CLM	-	410	ECB	El Cabo									5					1	
CLM	-	420	PTE	Puerto Bolivar Portete									5						
CPV	-	274	SAL	Sal Is. Amilcar Cabral								2						0	
CUB	-	278	URC	Nueva Gerona												10			
CUB	-	283	UZG	Zaragoza							10								
CUB	-	339	UAM	Santiago de Cuba									5						



CUB -	380	UCY	Cayojabos						9										
CYM -	344	ZIY	Georgetown Gr.Cayman							9	7	3			4				
CYM -	415	CBC	West End Cayman Brac.	9	7	10	5							6	4		9		7
DMA -	273	DOM	Marigot Melville Hall							2	4						7		
EQA -	215	ESM	Esmeraldas														3		
EQA -	250	STR	Santa Rosa														6		
EQA -	340	PTZ	Pastaza								5								
EQA -	365	PAL	Palma														6		
EQA -	400	OLM	Olmedo														6		
EQA -	418	TLC	Tulcan									6					2		
FSM -	366	PNI	Pohnpei Is.					11						14					
GDL -	385	PTP	Pointe a Pitre									6					3		
GRD -	362	GND	Grand Anse									5					0		
GRL -	279	SI	Simiutaq								5								
GRL -	298	KU	Kook Islands								8								
GRL -	328	HB	Holsteinsborg (Sisimuit)								6								
GRL -	331	FH	Frederikshab (Paamuit)								10								
GRL -	359	NA	Narsarsuaq									5							
GTM -	385	TKL	Tikal Santa Elena								8								
GUF -	327	FXC	Cayenne								6								
HWA -	332	POA	Pahoa	9				12						8			10		14
HWA -	353	LLD	Lanai City	8				12	6	9			6	8	11	9			
INS -	255	MD	Manado			16													
MDR -	338	PST	Porto Santo								1								
MEX -	382	GRN	Guerrero Negro						7	9							10		
MHL -	316	MAJ	Majuro Atoll					12											
MHL -	359	NDJ	Kwajalein					10											
MRT -	329	FOF	Fort de France / Le Lamentin								2	5							
MTS -	343	ML	Minami Tori Shima										13	14					
POR -	327	POR	Porto								0								
POR -	389	CP	Lisbon Caparica								4								
PRU -	340	YMS	Yurimaguas														5		
PTR -	330	SJ	San Juan								7								
PTR -	391	DDP	San Juan Dorado	9	7	9			4	8	0	6	9		2		7		7
SCN -	325	SKB	Saint Kitts/Golden Rock														5		
SLM -	348	HN	Honiara			16													
SLV -	331	LAN	Ametecampo								3								
SMA -	403	TUT	Pago Pago					13											
SPM -	402	MQ	Miquelon									6							
TCA -	232	GT	Grand Turk Is.									5							

TRD	-	323	TAB	Crown Point							5					6			
TUA	-	376	NP	Napuka				13											
USA	AL	204	ESU	Summerdale Foley						9									
USA	AL	211	AN	Anniston						6									
USA	AL	221	HYE	Fort Rucker						6									
USA	AL	224	BH	Birmingham			2			0		5			3				
USA	AL	248	MO	Mobile						7									
USA	AL	287	HUA	Huntsville						11									
USA	AL	362	TC	Tuscaloosa						1									
USA	AL	426	FTP	Fort Payne		9				0									
USA	AR	223	FS	Fort Smith						0									
USA	AR	226	REN	Warren				6											
USA	AR	227	TNZ	Walnut Ridge				6		17									
USA	AR	234	TX	Texarkana						6									
USA	AR	275	ADF	Arkadelphia				6		1									
USA	AR	335	BV	Batesville				6		17									
USA	AR	338	TT	Stuttgart						10									
USA	AR	352	VM	Mena		7									3				
USA	AR	353	LI	Little Rock		8				9	9								
USA	AR	375	DS	Searcy		9				1									
USA	AR	379	RUE	Russellville						10									
USA	AR	385	HO	Hot Springs		7		6		12									
USA	AR	395	HR	Harrison						1									
USA	AZ	206	SOW	Show Low				20						9					
USA	AZ	220	RBJ	Tucson				20											
USA	AZ	245	AVQ	Marana				20							2				
USA	AZ	338	RYN	Tucson Ryan				20		3	7			7					
USA	AZ	394	ENZ	Nogales		7		20		8									
USA	AZ	403	AZC	Colorado City				0	13										6
USA	AZ	407	CHD	Chandler				20											
USA	AZ	410	DAO	Fort Huachuca				20											
USA	CA	203	TCY	Tracy										9				8	
USA	CA	205	COR	Sayler Farms Corcoran					23					8	9			8	
USA	CA	209	HGT	Fort Hunter Liggett				6	0					7	9				
USA	CA	233	LG	Long Beach				5	7						8			8	
USA	CA	253	UR	Burbank Vinee				6											
USA	CA	263	UAD	Salinas Chualar					7						8				
USA	CA	327	PDG	Watsonville					0					8				9	11
USA	CA	338	PBT	Red Bluff Proberta				5		9	11			7	9	10		9	4
USA	CA	344	FCH	Fresno Chandler				5	1		11			6	6	10		7	7







USA	IL	365	SYZ	Shelbyville		9					8	22	8							
USA	IL	375	LQ	Springfield		9						23	9							
USA	IL	379	UG	Waukegan								12	2							
USA	IL	382	MW	Marion								23	5							
USA	IL	382	SP	Springfield		8						23	9							
USA	IL	385	JD	Belleville								23	8							
USA	IL	388	MD	Carbondale								12								
USA	IL	391	PLX	Robinson								0								
USA	IL	395	TAZ	Taylorville									4							
USA	IL	397	CIR	Cairo		10							8							
USA	IN	227	GW	Auburn		15														
USA	IN	227	SQ	Connersville		8														
USA	IN	245	HU	Terre Haute									6							
USA	IN	251	FW	Fort Wayne		8						10	6							
USA	IN	254	HLB	Batesville		14							6							
USA	IN	266	IN	Indianapolis									7							
USA	IN	278	FKR	Frankfort		14							7							
USA	IN	308	EQZ	Seymour		14														
USA	IN	326	SIV	Sullivan									10							
USA	IN	331	JV	Jeffersonville		9							12						5	
USA	IN	338	UMP	Indianapolis									3						5	
USA	IN	341	SB	South Bend									7							
USA	IN	347	ANQ	Angola																5
USA	IN	349	FV	Indianapolis		6							7							3
USA	IN	365	JN	Muncie																5
USA	IN	385	UWL	New Castle		7							8							
USA	IN	388	CFJ	Crawfordsville		5							8							
USA	IN	394	AI	Anderson									8							
USA	IN	398	HFY	Indianapolis		14							8							6
USA	IN	410	BA	Columbus																5
USA	IN	417	HHG	Huntington		15						8								
USA	KS	314	CVY	Fort Riley									8							
USA	KS	326	FO	Topeka									12							
USA	KS	332	IC	Wichita								20	7							
USA	KS	338	JZ	Lawrence									7							
USA	KS	341	OIN	Oberlin				5				20	12						5	11
USA	KS	347	GC	Garden City								20								
USA	KS	353	SO	Winfield								1	8							3
USA	KS	356	PTT	Pratt				4				20	3							4
USA	KS	365	HQG	Hugoton					6			20	10						11	4



USA	MA	248	AC	Nantucket								6							
USA	MA	251	SKR	Bedford Shaker Hill								22							
USA	MA	274	EW	New Bedford								21							
USA	MA	279	CQX	Chatham							11	22							
USA	MA	332	BE	Bedford							3	22							
USA	MA	342	HY	Hyannis Bogey							3	22							
USA	MA	346	LI	Boston							3	22							
USA	MA	365	FIT	Fitchburg							8	22							
USA	MA	368	IMR	Marshfield								22							
USA	MA	375	BO	Boston							9	22							
USA	MA	382	LQ	Boston							3	22							
USA	MA	389	PVC	Provincetown							8	22							
USA	MA	395	GBR	Great Barrington							8	22							
USA	MA	397	OW	Norwood							8	22							
USA	MA	402	LW	Lawrence								22							
USA	MD	349	APG	Aberdeen Proving Grnds							10	22							
USA	MD	355	CGE	Cambridge							10	22							
USA	ME	216	LRG	Lincoln								5							
USA	ME	221	RQM	Rangeley								5							
USA	ME	227	SZO	Fryeburg								5							
USA	ME	240	LE	Auburn Lewiston								5							
USA	ME	260	EPM	Eastport								22							
USA	ME	278	BST	Belfast								22							
USA	ME	278	PQ	Presque Isle								22							
USA	ME	330	BH	Bar Harbor								21							
USA	ME	334	RM	Rockland								22							
USA	ME	348	BUP	Pittsfield								22							
USA	ME	356	SUH	Rockland								22							
USA	ME	366	AU	Augusta								22							
USA	MI	206	AP	Alpena							11								
USA	MI	209	GDW	Gladwin							0								
USA	MI	212	JX	Jackson	15						6	4							
USA	MI	223	DM	Detroit	5						6								
USA	MI	230	VQ	Detroit	14						1								
USA	MI	243	OZW	Howell							16	8	6						
USA	MI	257	MB	Saginaw								9							
USA	MI	263	GR	Grand Rapids							16	7							
USA	MI	269	FN	Flint	16							11							
USA	MI	272	BT	Battle Creek	15						7	7							
USA	MI	278	ADG	Adrian	14						7	4							





USA MN	371	MD	Bemidji							8							
USA MN	379	DL	Duluth							9							
USA MN	379	OW	Owatonna					10	12	9							
USA MN	385	BA	St Paul					9	12			7					
USA MN	397	AIT	Aitkin					9									
USA MN	400	PPI	St Paul					5	3								9
USA MN	404	XCR	Little Falls					23	11								
USA MN	420	FQ	Fairmont			5	7	8	6						8		4
USA MO	233	AZN	St Joseph					23		3							
USA MO	269	FES	Festus							11							
USA MO	278	FD	Poplar Bluff							0			10				
USA MO	281	DMO	Sedalia	10				21		11	6		10	10			
USA MO	338	LM	St Louis							4							
USA MO	344	JL	Joplin							7							
USA MO	344	MK	Kansas City							10							
USA MO	359	DO	Kansas City							8							
USA MO	367	PRI	Farmington	9						8							
USA MO	371	PUR	Marshall	4				9		8			11				
USA MO	375	CHT	Chillicothe					8					4				
USA MO	388	GLY	Clinton	4													
USA MO	391	BHN	Fort Leonard Wood					8		4			11				
USA MO	394	EZZ	Cameron	10				8					11				
USA MO	397	JE	Jefferson City	10													
USA MO	400	TRX	Trenton					1					3				
USA MO	407	CO	Columbia						0								
USA MO	414	IEB	Lebanon	3		5		8									
USA MS	221	HS	Bay Saint Louis							6							
USA MS	245	SBQ	Grenada							0							
USA MS	260	JH	Jackson							0							
USA MS	284	IDL	Indianola			6				1							
USA MS	334	UU	Corinth							0							
USA MS	346	THJ	Laurel	9						1							
USA MS	349	GW	Greenwood			6				10			10				
USA MS	375	RYB	Raymond			2	11										
USA MS	413	MC	McComb							2							
USA MS	420	TU	Tupelo					1	11								
USA MS	426	UV	Oxford							6							
USA MT	236	FOR	Forsyth			4						8			8		8
USA MT	251	BI	Billings									6			10		
USA MT	251	PWD	Plentywood									9	6				6



USA NC	346	VU	Albemarle		5						12	5						
USA NC	350	LE	Raleigh		8						12	5						
USA NC	361	HB	Burlington							1		5						
USA NC	370	MQI	Manteo									5						
USA NC	379	BRA	Asheville	8	5					1		6						
USA NC	384	JB	Lumberton		7							6						
USA NC	388	RNW	Chocowinity									6						
USA NC	391	FIQ	Morganton		6							6						
USA NC	393	FGP	Fort Bragg									6						
USA NC	406	TT	Sanford									5						
USA NC	410	JU	West Jefferson		8							14						
USA NC	412	CTZ	Clinton									5						
USA NC	417	HQT	Coats							6								
USA NC	417	SLP	Shelby							6		5						
USA NC	423	SIF	Reidsville							23								
USA NC	432	IZN	Lincolnton		8													
USA ND	230	BI	Bismarck						20	6			7					
USA ND	278	GWR	Gwinner							10								
USA ND	345	GF	Grand Forks							10			8					
USA ND	353	DI	Dickinson						8	9			8					
USA ND	365	AA	Fargo						20									
USA ND	374	BOD	Bowman						5	11			8			8		3
USA ND	395	JM	Jamestown	8		5		5	23	11						9		
USA NE	257	JYR	York						21	16	9							
USA NE	263	BF	Scottsbluff											2				
USA NE	269	SWT	Seward						21	21	9					9		
USA NE	275	HIN	Chadron Whitney						21	10	7		9			9		5
USA NE	305	OI	South Sioux City							17								
USA NE	314	VTN	Valentine							6								
USA NE	323	HJH	Hebron						20	22	12			2				
USA NE	326	RRX	Lexington						20	6	12							
USA NE	329	PMV	Plattsmouth						20	22	12							
USA NE	341	RBE	Bassett Rock Co						21									
USA NE	347	AFK	Nebraska City			3			21	22	12					7		
USA NE	353	DWL	Gothenburg					6	20		8			4		11		
USA NE	356	ODX	Ord						20	9	8					8		8
USA NE	362	CD	Chadron						20					4		10		
USA NE	371	MLE	Omaha Millard							12								
USA NE	377	BUB	Burwell						20	23	9					8		6
USA NE	380	ALU	Alliance						20		9							

USA NE	383	CNP	Chappell							12						8		5
USA NE	385	LN	Lincoln							9	12							
USA NE	389	CSB	Cambridge							23	12	8			4	8		
USA NE	389	LCG	Wayne							9	12					8		8
USA NE	392	FMZ	Fairmont	7							1				4			7
USA NE	400	AHQ	Wahoo							23	11				2			7
USA NE	404	FNB	Falls City							8	11							
USA NE	414	GRN	Gordon					5		21	11					7		9
USA NE	416	LB	North Platte							21	2				4			
USA NE	422	EA	Kearney / Anoke							8	11							
USA NE	510	OF	Norfolk								11							
USA NH	328	LC	Laconia									7						
USA NJ	363	RNB	Millville		9					7	11				8			
USA NM	206	LR	Las Cruces				5											
USA NM	251	SV	Silver City				18											
USA NM	278	CEP	Ruidoso Capitan				20				7	9		6				
USA NM	305	RO	Roswell				5								2	9		
USA NM	332	CAO	Clayton				6				0							
USA NM	335	CV	Clovis				5				9							
USA NM	341	SG	Santa Fe				5											
USA NM	351	AE	Albuquerque				0											
USA NM	402	CV	Carlsbad				5			8								
USA NV	351	NO	Reno	9				1						6		7		9
USA NY	204	GB	Buffalo										22					
USA NY	209	GF	Glens Falls										22					
USA NY	220	FZ	Syracuse									8	5					
USA NY	231	BU	Buffalo										6					
USA NY	245	ALP	Elmira										6					
USA NY	257	GTB	Fort Drum										22					
USA NY	272	PFH	Hudson Philmont									9	22					
USA NY	275	BBN	Babylon									0	21					
USA NY	279	OZ	Oneonta									6	22					
USA NY	332	BG	Binghamton									4	21					
USA NY	335	SW	Newburgh									7	21					
USA NY	344	AVN	Rochester		10							7	22					
USA NY	356	HEU	Schenectady									8	21					
USA NY	358	OG	Ogdensburg									8	5					
USA NY	359	MS	Monticello									8	5					
USA NY	366	IS	Islip										22					
USA NY	395	SL	Saranac Lake									23	21					





USA	SC	255	PHH	Andrews							17								
USA	SC	257	CEU	Clemson							17								
USA	SC	270	PYG	Pageland						0	18								
USA	SC	274	DLC	Dillon							18								
USA	SC	278	EOE	Newberry						10	7								
USA	SC	326	UOT	Union							12								
USA	SC	329	CH	Charleston			5			1	12	5							
USA	SC	335	FL	Florence							7								
USA	SC	338	GY	Greenville							12								
USA	SC	341	HVS	Hartsville							12								
USA	SC	347	AIK	Aiken							7	5							
USA	SC	362	CA	Columbia							5								
USA	SC	365	DYB	Summerville							6								
USA	SC	381	MNI	Manning							8								
USA	SC	400	LKR	Lancaster							4								
USA	SC	404	CKI	Kingstree							8								
USA	SC	408	LQK	Lake Kiowee Pickens							11	8	5						
USA	SC	414	FDW	Winnsboro									5						
USA	SC	420	CFY	Lake City							23		6						
USA	SD	203	AB	Aberdeen							2								
USA	SD	245	FS	Sioux Falls	9		5			20									9
USA	SD	254	RA	Rapid City Ranch					7				7						
USA	SD	347	YK	Yankton							7								
USA	SD	392	AGZ	Wagner													9		
USA	TN	203	DMZ	Dickson							7								
USA	TN	212	UC	Obion Union City							17								
USA	TN	233	HEM	Sparta							6								
USA	TN	242	MMI	Athens	5						2	4							
USA	TN	255	FYE	Somerville							16	11							
USA	TN	263	BGF	Winchester							0	6							
USA	TN	263	DYQ	Greenville								9							
USA	TN	269	LRT	Lawrenceburg							10								
USA	TN	275	EZT	Elizabethton								7							
USA	TN	299	TR	Bristol								0							
USA	TN	329	RVN	Rogersville	5							6							
USA	TN	335	CK	Clarksville								3							
USA	TN	341	CQN	Chattanooga							1	8							
USA	TN	346	JXT	Morristown								6							
USA	TN	353	TY	Knoxville								8							
USA	TN	358	TNY	Fayetteville	8						9	8							



USA TN	371	FQW	Murfreesboro		8					10	8								
USA TN	382	APT	Jasper		7					1	8								
USA TN	391	SWZ	Smyrna								23								
USA TN	394	DTE	Dayton		9					1	8								
USA TN	394	MK	Jackson		8					12	8								
USA TN	414	JUE	Lebanon		8				10	0									
USA TN	529	LYQ	Morrison		6		3						5				8		8
USA TX	201	GV	Greenville						20	17		5			10				
USA TX	239	PWY	Hebronville												10				
USA TX	242	EL	El Paso				20	5		7				9	2				
USA TX	245	ARM	Wharton							9	11								
USA TX	248	PQF	Mesquite						20	0	9				10				
USA TX	251	AM	Amarillo					7		9	6		7	9	2		9		
USA TX	253	OC	Nacogdoches							11	6								
USA TX	257	DT	Denton							11	9								
USA TX	263	LB	Angleton Lake Jackson							7	9								
USA TX	266	PYX	Perryton				6			0	9		6				11		
USA TX	269	AHX	Athens								7								
USA TX	272	LD	Lubbock				5												
USA TX	281	UVA	Uvalde					5		3	7				4		10		
USA TX	320	TY	Tyler							1	12	5							
USA TX	326	BVP	Houston								10								
USA TX	326	MA	Midland	7				4	23	6	12		7		2		9		
USA TX	330	MF	McAllen							8	6								
USA TX	332	CZX	Crosbyton												5				
USA TX	332	RPF	Carthage						10		7								
USA TX	338	HR	Harlingen							11									
USA TX	341	CZJ	Center								7								
USA TX	341	DNI	Denison				6		9	12	7		7						
USA TX	343	DMD	Carrizo Springs						9										
USA TX	344	CGQ	Corsicana							9	2								
USA TX	344	SKB	Wichita Falls								4								
USA TX	347	JPA	La Porte				4				7								
USA TX	356	GMZ	Bowie Grindstone Mtn				6				0								
USA TX	359	HHH	Devine				4				10	3			4				
USA TX	359	SDR	Snyder				4								4				
USA TX	365	FT	Fort Worth						10	11									
USA TX	368	AN	San Antonio								11				3				
USA TX	371	SOA	Sonora				6								5				
USA TX	380	BBD	Brady	7				6	10	12			5		2		10		7

USA TX	385	CPZ	La Pryor			6			8				3			
USA TX	388	JUG	Seagoville Mesquite						8	1						
USA TX	391	GXD	Nacogdoches						8	12						
USA TX	393	BR	Brownsville								1					
USA TX	396	CRS	Corsicana			7			8							
USA TX	400	ROB	Waco			3										
USA TX	405	AGH	Laredo			10	7		8			5		2		5
USA TX	412	BWR	Brewster Alpine				3							2		
USA TX	421	EF	McKinney				6		8	0					11	
USA TX	428	SYW	Greenville	6					8	0		5			8	6
USA TX	521	DWH	Houston							2						
USA UT	217	EC	Cedar City				5					5				
USA UT	371	TVY	Tooele						1		8					8
USA VA	223	DAA	Fort Belvoir									5				
USA VA	226	FAF	Fort Eustis								17					
USA VA	236	VJ	Abingdon								17	2				
USA VA	237	EZF	Fredericksburg								17	5				
USA VA	245	LUA	Luray								17	6				
USA VA	261	ELQ	Emporia								18	1				
USA VA	274	AKQ	Wakefield								18					
USA VA	277	VIT	Roanoke Vinton								18					
USA VA	284	PTB	Petersburg							10	11	1				
USA VA	326	BKT	Blackstone								12	5				
USA VA	329	OR	Norfolk								8	5				
USA VA	335	MK	Marion		6						12					
USA VA	336	BDB	Melfa								12	5				
USA VA	351	MSQ	Culpeper								12	1				
USA VA	367	FVX	Farmville								4	5				
USA VA	368	TEC	Blacksburg								8	5				
USA VA	373	AEA	South Hill								17	5				
USA VA	375	PJS	Newport News								17					
USA VA	375	SH	Staunton								9					
USA VA	385	LY	Evington								8					
USA VA	396	UV	Martinsville								8					
USA VT	382	BT	Burlington									22				
USA WA	206	PWT	Bremerton										9			19
USA WA	216	GRF	Fort Lewis Tacoma										13			19
USA WA	240	BVS	Burlington Mt Vernon	8				7					9			19
USA WA	256	LSO	Kelso										9			19
USA WA	274	CAN	Bremerton Carney										11			

USA	WA	284	FHR	Friday Harbor					4					9					20
USA	WA	328	LAC	Fort Lewis Lacomas	9				4					7					20
USA	WA	338	K	Ediz Hook Port Angeles										7					20
USA	WA	348	MNC	Shelton Mason Co	7				1					6					20
USA	WA	353	AL	Walla Walla	9				1					6					
USA	WA	362	BF	Seattle					6					5					
USA	WA	365	DPY	Deer Park	9									8					8
USA	WA	371	YK	Yakima	7														9
USA	WA	382	AW	Arlington	7				6					5					8
USA	WA	388	CRK	Spokane	7				7					5					
USA	WA	408	MW	Moses Lake	9				7					4					
USA	WA	515	CL	Port Angeles	9				8					8					
USA	WI	206	RA	Racine									17						
USA	WI	215	ISW	Wisconsin Rapids									17						
USA	WI	221	ARV	Minocqua / Woodruff									6						
USA	WI	221	RP	Rice Lake									11	3					
USA	WI	224	II	Sturgeon Bay									16						
USA	WI	230	AT	Appleton									10						
USA	WI	236	DO	Minocqua									9						
USA	WI	266	DU	Marshfield									0	9					
USA	WI	272	RH	Rhinelanders Arsha											11				
USA	WI	275	CW	Mosinee									1	9					
USA	WI	326	EK	Wisconsin Rapids									1						
USA	WI	332	SG	Green Bay									8	12					
USA	WI	335	MDZ	Medford									7	12					
USA	WI	344	UNU	Juneau									9	7					
USA	WI	347	AIG	Antigo		7							1						
USA	WI	351	PH	Mosinee						8			9	8					
USA	WI	356	GR	Green Bay											8				
USA	WI	356	RCX	Ladysmith									2	8					
USA	WI	362	MT	Manitowoc									1	4					
USA	WI	365	MRJ	Mineral Point									2	8					
USA	WI	368	VIQ	Neillsville									1	8					
USA	WI	382	PCZ	Waupaca									2	9					
USA	WI	389	EN	Kenosha									1	8					
USA	WI	391	MFI	Marshfield									12	8					
USA	WI	395	OS	Oshkosh									2	8					
USA	WI	400	MS	Madison		5									8				
USA	WI	407	AQ	Appleton									2						
USA	WI	412	CMY	Sparta									11						



USA CA ir	1801	241	134	5710
USA TX ch	2360	356	151	5402
USA WA rt	1445	244	169	5971
Averages:	1869	281	151	5694

Listener	Av km THEN	Av km NOW	Total km x 1000 THEN	Total km x 1000 NOW	NDBs THEN	NDBs NOW	Max km THEN	Max km NOW
CAN BC to	1554	1497	263	201	169	134	6207	6207
CAN ON ku	881	817	336	123	381	151	3662	3662
HWA mx	5879	5919	265	255	45	43	9413	9413
USA AZ bc	1601	1635	189	219	118	134	4729	4815
USA CA dn	1907	5358	225	70	118	13	9901	9041
USA CO ac	1255	1321	315	362	251	274	5332	5332
USA MO dp	909	1189	294	515	323	433	3274	4208
USA NC dw	1543	1461	1187	677	769	463	7056	6913
USA NH jc	702	1090	62	251	89	230	3786	6172
USA OR mc	1503	1626	282	275	188	169	7611	7611
USA OR sr	1793	2118	777	189	433	89	10395	8976
USA TX du	1601	4339	1298	330	811	76	7960	7739
USA UT mu	1250	1474	209	249	167	169	4993	4993
USA WA de	1109	631	82	6	74	9	4172	1792
Averages:	1678	2177	413	266	281	171	6321	6205
% Increase:		30		-36		-39		-2

Av. km = Average distance from listener to NDB for all their loggings  
Total km = Sum of distances from listener to NDBs for all their loggings  
NDBs = Number of NDBs logged  
Max km = Maximum distance from listener to an NDB logged

**Explanation:**

We ENJOY Listening Events, but their real value is to encourage us to improve our knowledge of our hobby, our listening techniques, our receivers and aeralis, etc. Many of our CLEs re-use the same listening 'rules' after a year or so. This can provide each of us with an excellent way of measuring our personal progress by comparing our results THEN with our corresponding results NOW.

**The lower table shows statistics for listeners who took part in both the events.**

The bottom lines compare the general conditions found during the two events.

Each listener's own results also depend, of course, on many other things, such as changes in receivers or aerials, time available for listening, use of recording equipment and maybe a move of QTH, as well as progress made through listening practice.

Comparing the results between individual listeners is not very meaningful - we each have so many unavoidable things that affect our ability to hear NDBs; where we and they happen to be, whether we are in a city or in wide open spaces or by the sea, our spending limit, how long we are able to devote to listening, etc.

### **TAB's Trans-Atlantic Beacons**

The numbers shown within the table are the times in 'hh' UTC that the beacons were logged.

kHz	C/S	Location	ITU	CZE my	DEU hw	DEU je	ENG bk	ENG ds	ENG hh	ENG me	ENG px	FRA jj	HOL rb	USA NC dw	USA TX du	ITU
376	PVQ	Deadhorse	ALS		21					02			23			ALS
369	ZDX	Saint Johns	ATG										07			ATG
214	YIO	Pond Inlet, NU	CAN										01			CAN
220	BX	Blanc Sablon, QC	CAN		00	03						05	00			CAN
245	CB	Cambridge Bay, NU	CAN		06								07			CAN
257	YR	Goose Bay, NL	CAN		23								03			CAN
260	YAT	Attawapiskat, ON	CAN										07			CAN
263	QY	Sydney, NS	CAN		22		00			01	22	05				CAN
273	ZV	Sept-Iles, QC	CAN		02								03			CAN
276	YHR	Chevery, QC	CAN		07		01	02		01	22	05				CAN
280	QX	Gander, NL	CAN		21		04			01		05				CAN
281	CA	Cartwright, NL	CAN		04		00			07		05	03			CAN
284	RT	Rankin Inlet, NU	CAN										07			CAN
305	LT	Alert, NU	CAN			00			01				10			CAN
305	YQ	Churchill, MB	CAN				07						10			CAN
323	UWP	Argentia, NL	CAN		23		01						23			CAN
332	YFM	La Grande 4, QC	CAN										02			CAN
339	YFT	Makkovik, NL	CAN										23			CAN
340	YY	Mont Joli, QC	CAN		06					01			03			CAN
341	YYU	Kapuskasing, ON	CAN										01			CAN
350	DF	Deer Lake, NL	CAN	02	06		04		22	01	22	02	20			CAN
350	RB	Resolute Bay, NU	CAN							06			00			CAN
356	AY	St. Anthony, NL	CAN		06		00			07		05	03			CAN
358	NL	St. Johns Signal Hill, NL	CAN				05						00			CAN
358	YKG	Kangiqsujuag, QC	CAN										04			CAN
360	PN	Port Menier Anticosti I., QC	CAN									22				CAN

